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NO FOREIGN DISSEM [REDACTED]

25X1C

SUMMARY



[REDACTED]

SOUTHEAST ASIA ACTIVITY REPORT

COMMUNICATIONS FACILITIES NORTH VIETNAM

NPIC/R-267/66

AUGUST 1966

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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NO FOREIGN DISSEM [REDACTED]

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WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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INTRODUCTION

This report is designed to present an overall view of the types of communications facilities in North Vietnam. It is not all-inclusive, since the source of information is limited primarily to photography. As new communications facilities are identified, or as changes occur in previously reported facilities, periodic supplements will be disseminated to maintain a current data base on North Vietnamese communications facilities.

The communications facilities in this report are divided into 3 categories: radio stations, telephone/telegraph open wire lines, and weather stations, Categories A, B, and C, respectively.

Category A. Radio Stations. These are permanent radio stations which provide point-to-point and general broadcast communications.

Category B. Telephone/Telegraph Open Wire Lines. These are quite numerous in the heavily populated areas and very difficult to identify in their entirety on the photography available. Therefore, this report will focus on those major trunk lines that provide wire communications links to less populated areas, thereby providing some insight into the magnitude of the nationwide wire communications service, as well as those that provide connecting links to neighboring countries.

Category C. Weather Stations. These stations are not communications facilities per se; however, they are included in this report because a communications capability apparently exists at each station and could be used to transmit data other than weather information.

A table of contents and a small-scale plot map are included for each category. In Category A, large-scale plot map and a photo are provided for each item. In category B, a plot map of each item will be provided; however, photos of a site will be provided only to show some particular characteristic. The items in category

C are generally standard in layout, and, with the exception of representative photos, will be depicted only on a plot map.

The type of photography utilized in this report generally precludes accurate mensuration; therefore, all dimensions given are necessarily approximate.

The nature of these installations and the type of photographic coverage make it extremely difficult to determine the exact extent of bomb damage to the facilities; therefore, all bomb damage assessment (BDA) is necessarily an estimate.

BACKGROUND

Telecommunications facilities in North Vietnam consist of a telephone/telegraph open wire line network connecting principal cities and towns, point-to-point radio communications facilities, and radio broadcasting facilities. These facilities are owned and operated by the government and are used primarily for administrative purposes. Interurban communications are provided by open wire lines and high-frequency radio communications facilities. In recent years wire has replaced radio as the primary means of communication in the urban areas; however, radio communications facilities are still used extensively for communication with remote areas not served by wire lines and as a supplementary means of communication with the provincial capitals.

A development program, begun in 1955, has resulted in the extension and modernization of the open wire lines. Telephone and general telegraph services are provided, and service is good in most of the major cities, but varies from fair-to-poor elsewhere.

Telephone and telegraph lines radiate from Ha Noi to all provincial capitals and to several other cities. The pattern of the wire system

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corresponds to the land transportation network and generally follows the alignment used under French administration.

International communications are provided by wire lines to Communist China and Laos and by direct radio communication to Communist China, the Soviet Union, and several other countries. Ha Noi is the main international communications center. Radio Ha Noi, also known as the "Voice of Vietnam," is the only known radio broadcasting station. An extensive wired (government-controlled reception) broadcasting system provides service to selected centers located throughout the country.

All telecommunications facilities are operated by the Ministry of Communications and Transportation, through the Directorate of Posts, Telephones, and Telegraphs (DPTT). Radio Ha Noi is subordinate to the Radio Diffusion Board, an independent organization of the government attached to the Office of the President. All broadcasting policies are established and controlled by the Propaganda and Training Committee of the Communist Party Politburo.

Special telecommunications systems are operated by the Ministry of National Defense, the Communist Party, the railroads, meteorological services, merchant shipping, civil aeronautical organizations, and the diplomatic service. The Ministry of National Defense

System is the largest and includes both open wire lines and radio communications facilities. The Communist Party operates a radio communications network which is almost as extensive.

North Vietnam has a potential capability for the production of telecommunications and electronic equipment because of abundant mineral reserves; however, most telecommunications equipment and material are imported from Communist China, East Germany, Hungary, or the Soviet Union. Under the five-year plan of 1961-1965, the government planned to extend and improve the telecommunications system by installing a large radio relay network; however, to date there is little evidence of any improvements to the radio communications system.

The telephone/telegraph open wire lines are not particularly vulnerable to air attack and can be readily repaired if so damaged. However, the radio communications system is extremely vulnerable to air attack. It is anticipated that continued and expanded efforts by the United States to destroy these radio communications facilities will force North Vietnam to utilize alternate facilities, probably mobile radio communication equipment. This would make it more difficult to locate these facilities, but would further complicate the problem of communications for the North Vietnamese.

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CATEGORY A RADIO STATIONS

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TABLE OF CONTENTS CATEGORY A

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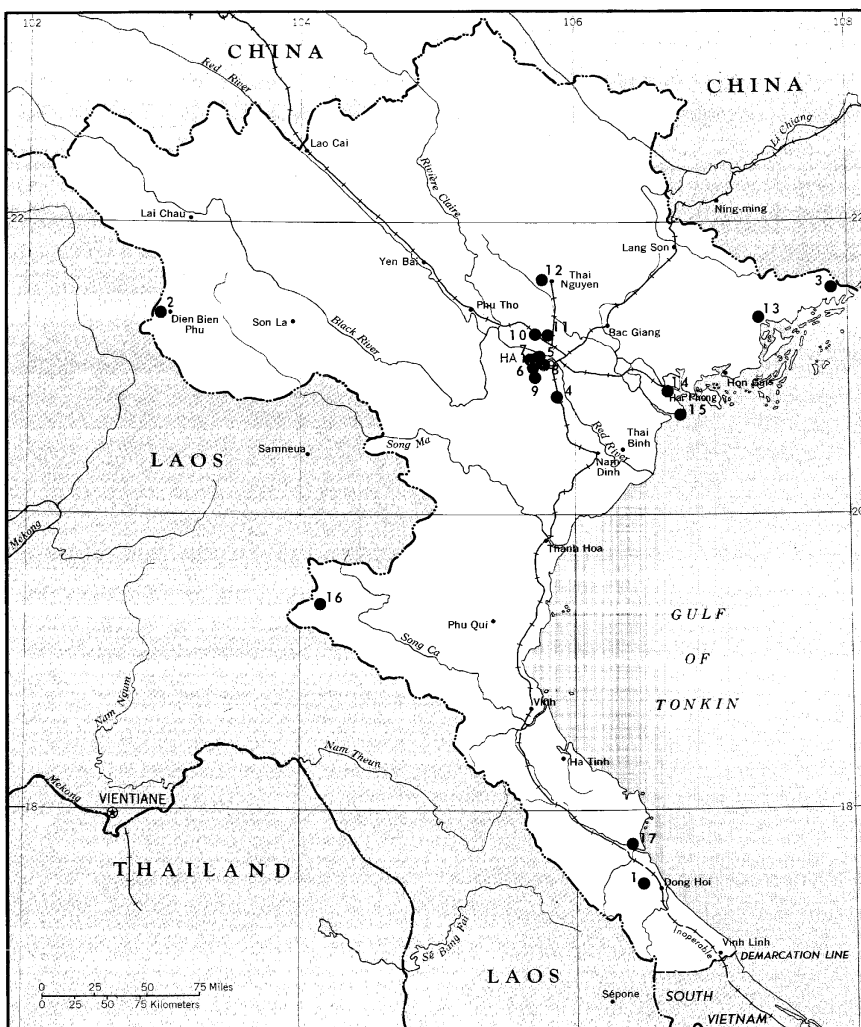
	<u>Installation Name</u>	<u>Page</u>
	Chanh Hoa HF/DF and Support Communications Facility	A-1
	Dien Bien Phu HF/DF and Support Communications Facility	A-3
	Mong Cai HF/DF Site and Support Communications Facility	A-5
	Ha Noi High-Frequency Communications Station Phu Coc	A-7
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	Ha Noi International Radio Transmission Station Dai Mo	A-11
	Ha Noi International Radio Receiving Station Son Dong	A-13
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	Thai Nguyen Communications Facility	A-23
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	Hai Phong Radio Communications Station Military	A-27
	Do Son Radio Communications Station Hon Dau Island Coastal	A-29
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NO FOREIGN DISSEM

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NPIC L-5207 (8/66)

KEY TO CATEGORY A RADIO STATIONS

1. Chanh Hoa HF/DF and Support Communications Facility
2. Dien Bien Phu HF/DF and Support Communications Facility
3. Mong Cai HF/DF and Support Communications Facility
4. Ha Noi High-Frequency Communications Station Phu Coc
5. Ha Noi Radio Station Northwest New
6. Ha Noi International Radio Transmission Station Dai Mo
7. Ha Noi International Radio Receiving Station Son Dong
8. Ha Noi Radio Broadcasting Station Me Tri
9. Ha Dong Communications Facility
10. Phuc Yen Radio Communications Station
11. Noi Bai Communications Facility
12. Thai Nguyen Communications Facility
13. Tien Yen Probable Communications Facility
14. Hai Phong Radio Communications Station Military
15. Do Son Radio Communications Station Hon Dau Island Coastal
16. Muong Sen Radio Communications Station
17. Quang Khe Radio Communications Station

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25X1A

XE682388
UTM COORDINATES

17-31-50N 106-35-05E
GEOGRAPHIC COORDINATES

NAME: CHANH HOA HF/DF AND SUPPORT COMMUNICATIONS FACILITY
(BE DESIGNATION: CHANH HOA MILITARY RADIO COMMUNICATIONS SITE)

LOCATION: 2.0 NM ESE OF CHANH HOA AND 1.3 NM NNW OF THE DONG HOI AIRFIELD

DESCRIPTION: FACILITY CONSISTS OF A WALL-SECURED HF/DF SITE WITH 1 CONTROL AND 2 SMALL BUILDINGS. ANCHOR POSITIONS FOR 8 ANTENNAS SURROUND THE CONTROL BUILDING.

A WALL-SECURED SUPPORT HF COMMUNICATIONS FACILITY 0.5 NM WEST OF THE HF/DF SITE CONSISTS OF 1 CONTROL, 1 SUPPORT, AND 1 PROBABLE GENERATOR BUILDING. TWO HORIZONTAL DIPOLE ANTENNAS ARE IMMEDIATELY OUTSIDE THE SECURITY WALL.

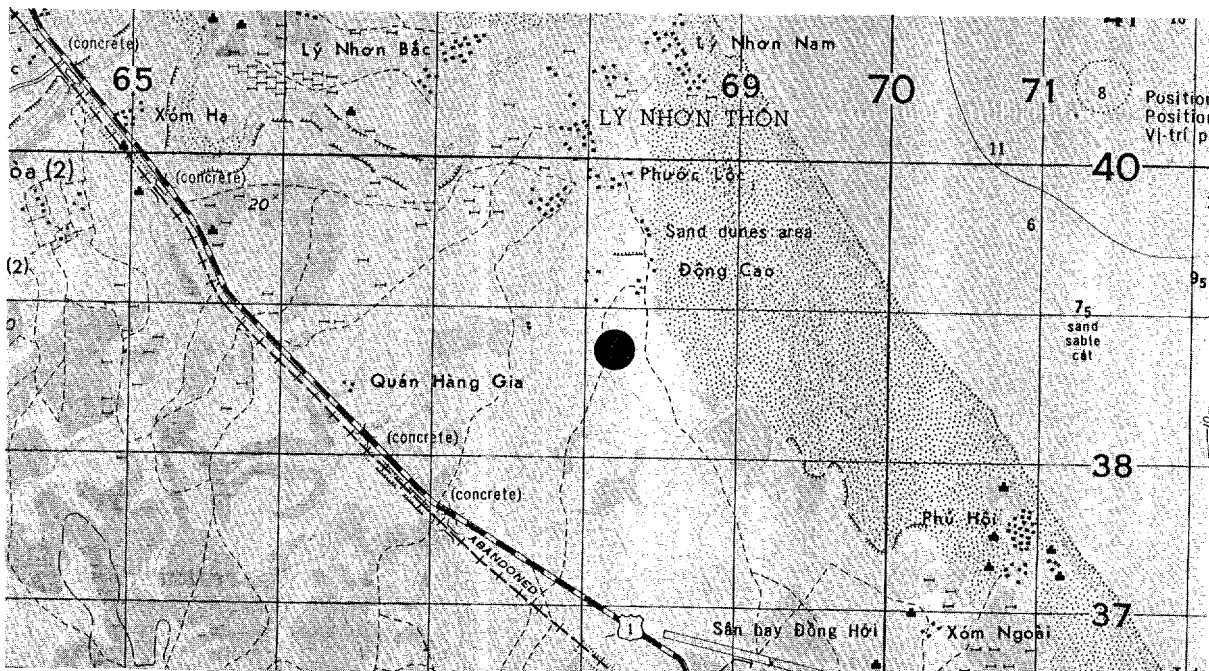
THE HF/DF SITE AND THE SUPPORT COMMUNICATIONS FACILITY ARE CONNECTED BY A TRAIL AND A PROBABLE CABLE SCAR.

THE HF COMMUNICATIONS FACILITY HAS BEEN SUBJECTED TO AIR STRIKE RESULTING IN SEVERE DAMAGE TO THE SUPPORT BUILDING AND MODERATE DAMAGE TO THE CONTROL AND PROBABLE GENERATOR BUILDINGS. THE 4 MASTS SUPPORTING THE HORIZONTAL DIPOLE ANTENNAS ARE NO LONGER STANDING.

THIS FACILITY IS SIMILAR TO THE HF/DF SITES AT DIEN BIEN PHU AND MONG CAI.

25X1D

MAP REFERENCES: AMS SERIES L701, SHEET 6363-IV, 1ST ED, OCT 62 (U)
AMS SERIES 1501, SHEET NE 48-12, 1ST ED, DEC 65 (U)



NPIC L-5208 (8/66)

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NO FOREIGN DISSEM

25X1C

CHANH HOA HF/DF AND SUPPORT COMMUNICATIONS FACILITY
XE682388 17-31-50N 106-35-05E
UTM COORDINATES GEOGRAPHIC COORDINATES



NPIC L-5209 (8/66)

21-22-24N 103-00-30E
GEOGRAPHIC COORDINATES

25X1D

[illegible]

NPIC L-5210 (8/66)

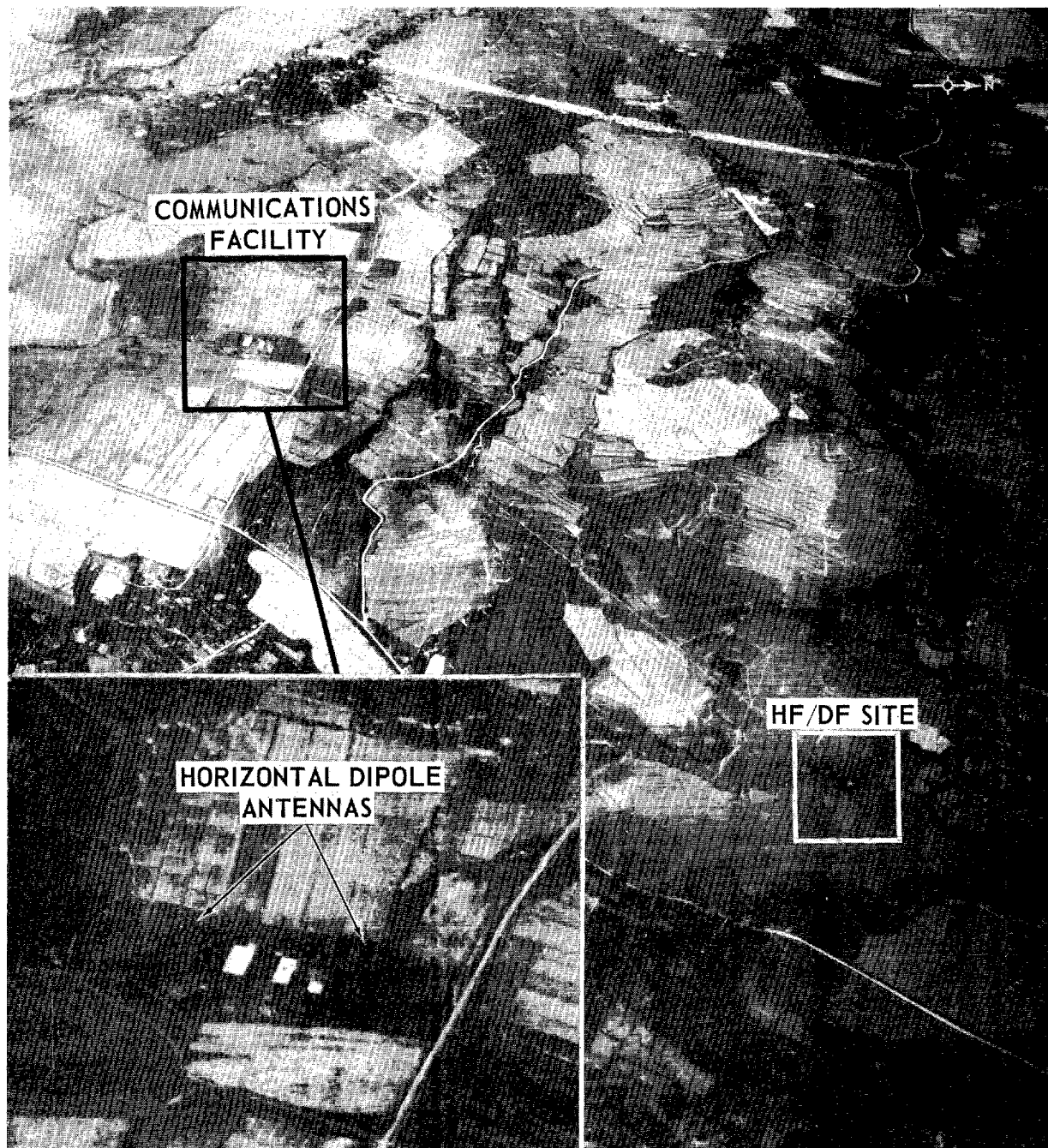
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25X1C

DIEN BIEN PHU HF/DF AND SUPPORT COMMUNICATIONS FACILITY
TS935646
UTM COORDINATES

21-22-24N 103-00-30E
GEOGRAPHIC COORDINATES



NPIC L-5211 (8/66)

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25X1A

ZJ088837
UTM COORDINATES

21-31-50N 107-58-57E
GEOGRAPHIC COORDINATES

NAME: MONG CAI HF/DF SITE AND HF SUPPORT COMMUNICATIONS FACILITY
(BE DESIGNATION: MONG CAI RADIO COMMUNICATIONS STATION)
LOCATION: 1.0 NM SE OF MONG CAI AND 0.7 NM NE OF THE MONG CAI AIRFIELD

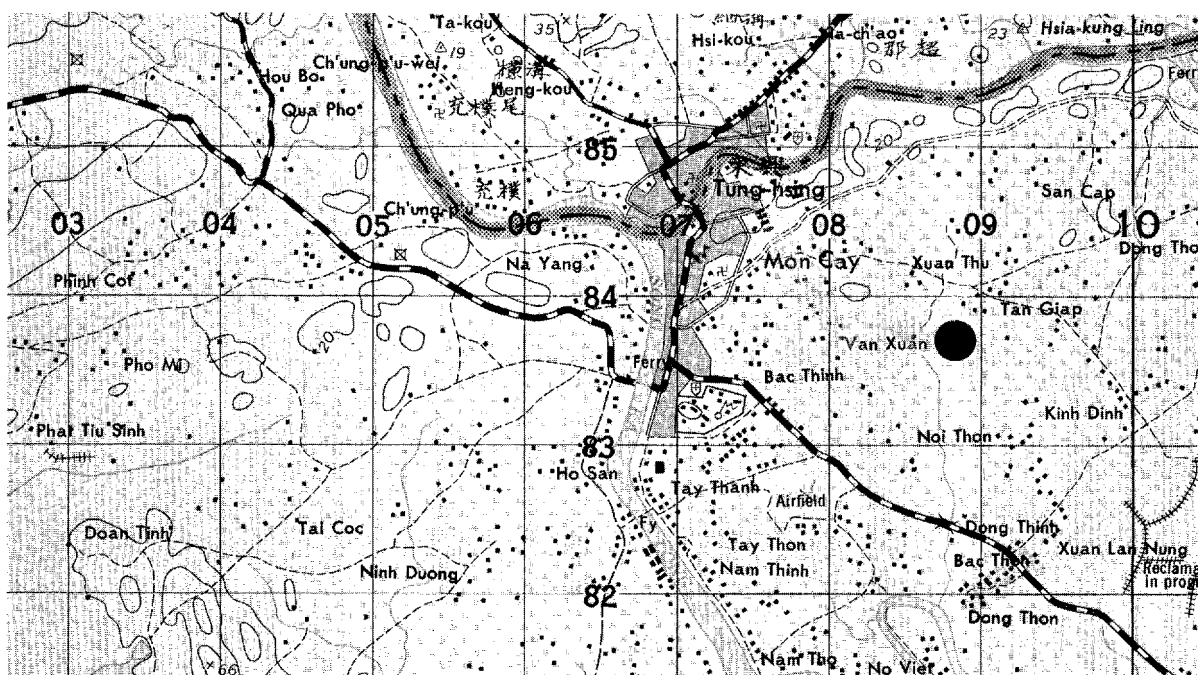
DESCRIPTION: FACILITY CONSISTS OF A WALL-SECURED HF/DF SITE WITH 1 CONTROL AND 2 SMALL BUILDINGS. ANCHOR POSITIONS FOR 8 ANTENNAS SURROUND THE CONTROL BUILDING.

A WALL-SECURED SUPPORT HF COMMUNICATIONS FACILITY 0.5 NM ENE OF THE HF/DF SITE CONSISTS OF 1 CONTROL, 1 SUPPORT, AND 1 PROBABLE GENERATOR BUILDING. TWO HORIZONTAL DIPOLE ANTENNAS ARE IMMEDIATELY OUTSIDE THE SECURITY WALL.

THE HF/DF SITE AND THE SUPPORT COMMUNICATIONS FACILITY ARE CONNECTED BY A TRAIL AND A PROBABLE CABLE SCAR.

25X1D

MAP REFERENCES: AMS SERIES L701, SHEET 6519-I, 1ST ED, FEB 62 (U)
AMS SERIES 1501, SHEET NF 48112, 1ST ED, AUG 65 (U)

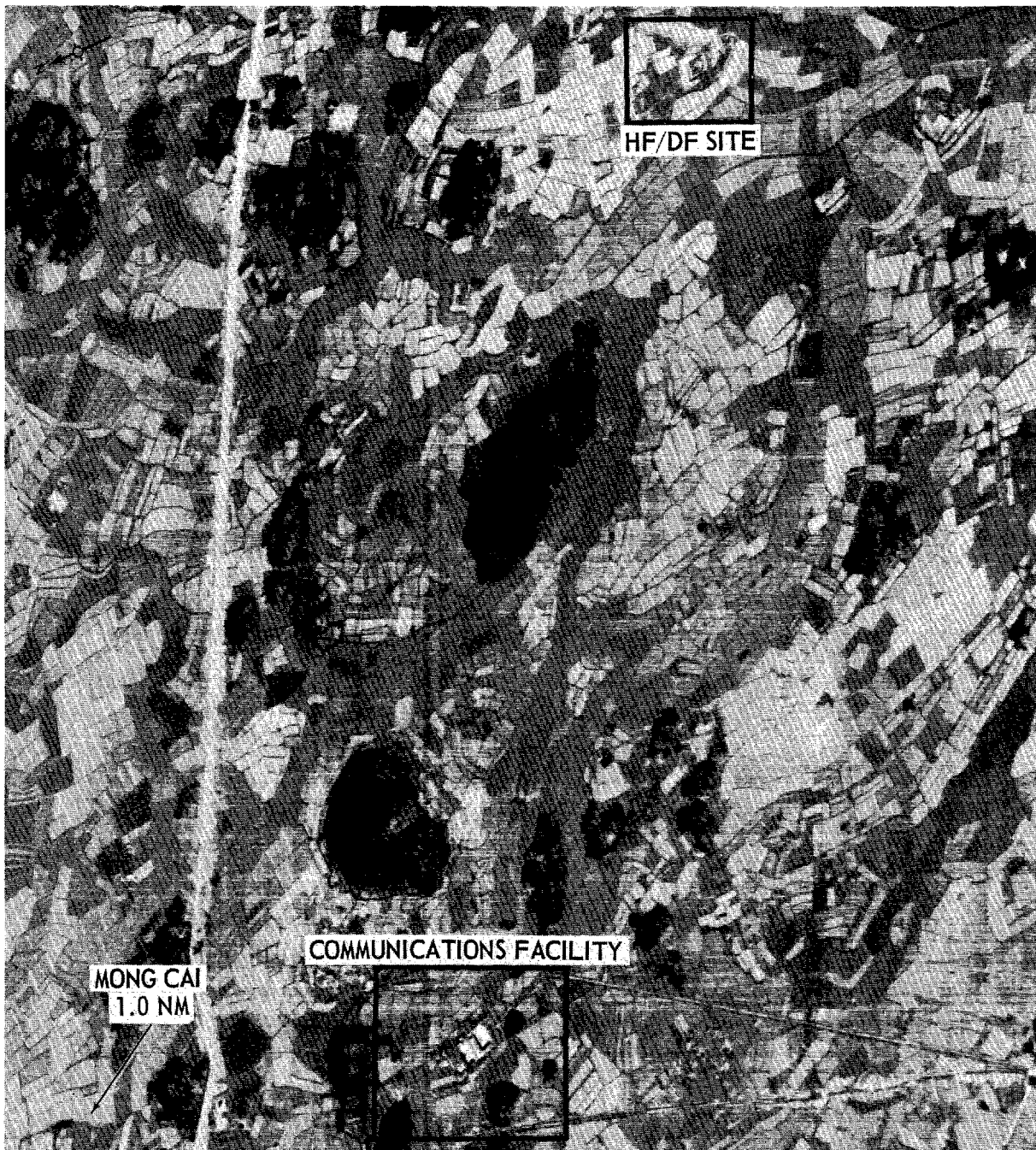


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MONG CAI HF/DF SITE AND HF SUPPORT COMMUNICATIONS FACILITY
ZJ088837 21-31-50N 107-58-57E

UTM COORDINATES

GEOGRAPHIC COORDINATES



25X1A

WJ925070
UTM COORDINATES

21-51-45N 105-53-32E
GEOGRAPHIC COORDINATES

NAME: HA NOI HIGH-FREQUENCY COMMUNICATIONS STATION PHU COC

LOCATION: 10.3 NM SSE OF HA NOI AND 0.8 NM EAST OF PHU COC

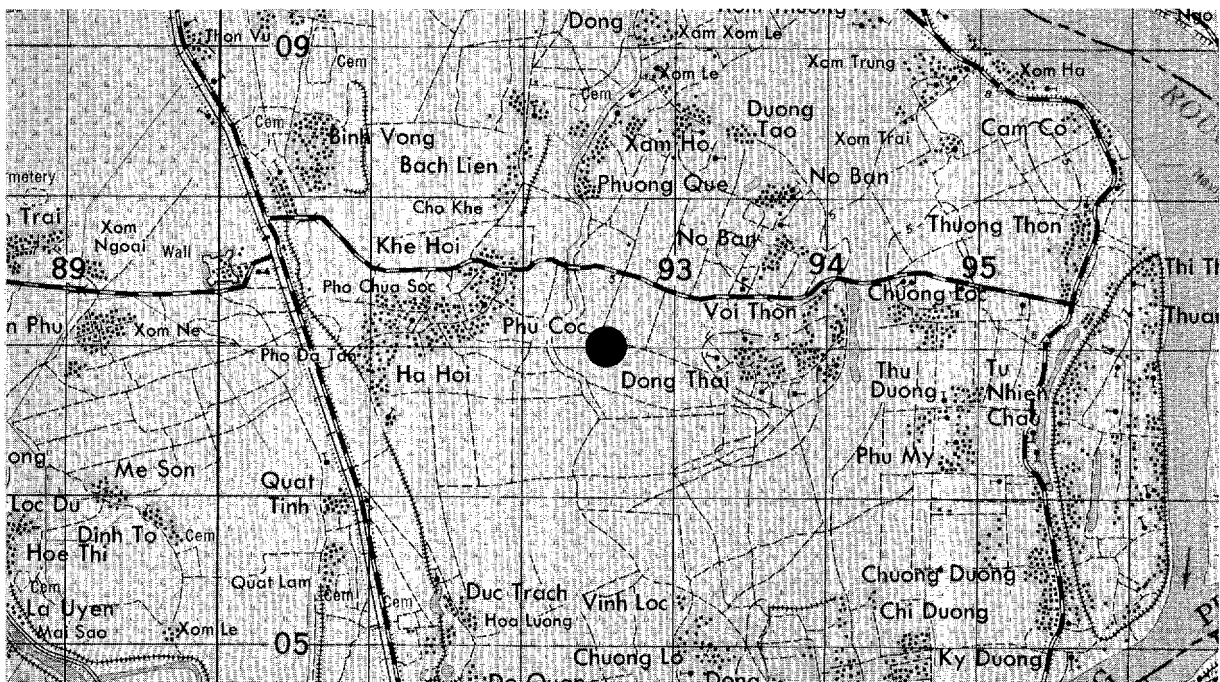
DESCRIPTION: FACILITY CONSISTS OF AN ADMINISTRATION/CONTROL AREA SURROUNDED BY AN ANTENNA FIELD WITH 6 FISHBONE ANTENNAS, 2 HORIZONTAL DIPOLE ANTENNAS, AND 6 VEE ANTENNAS.

THE ADMINISTRATION/CONTROL AREA IS SECURED AND CONTAINS 1 MULTI-WING ADMINISTRATION, 2 LARGE AND 5 SMALL BUILDINGS.

A SECURED SUPPORT AREA CONTAINS 4 BARRACKS, 1 ADMINISTRATION, 1 MESSHALL, 8 SUPPORT, AND 5 SMALL BUILDINGS.

25X1D

MAP REFERENCES: AMS SERIES L701, SHEET 6173-I, 3D ED, JUN 60 (U)
AMS SERIES 1501, SHEET NF 48-15, 1ST ED, JUL 65 (U)



NPIC L-5214 (8/66)

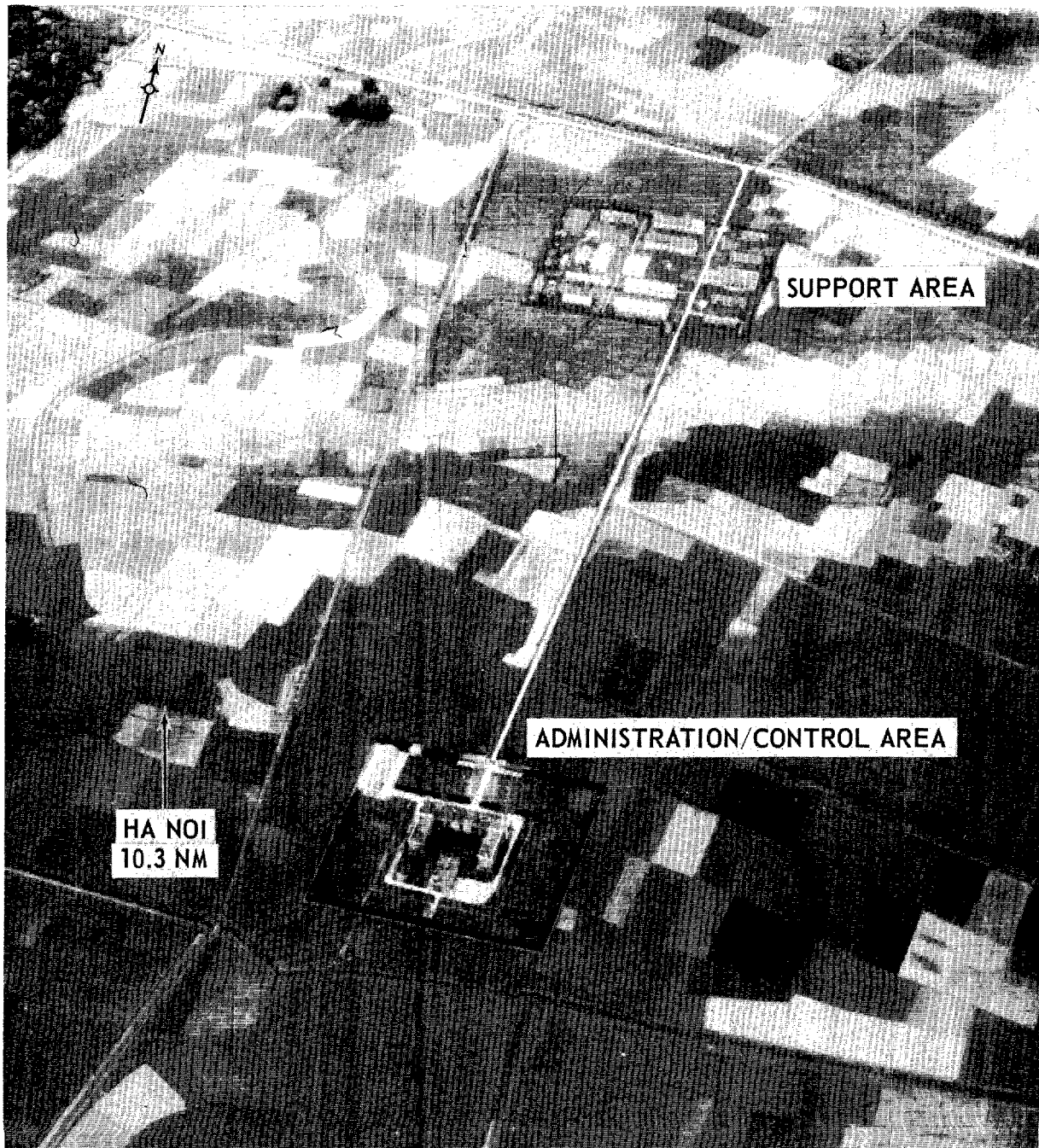
CONFIDENTIAL

HA NOI HIGH-FREQUENCY COMMUNICATIONS STATION PHU COC
WJ925070

21-51-45N 105-53-32E

UTM COORDINATES

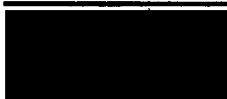
GEOGRAPHIC COORDINATES



NPIC L-5215 (8/66)

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25X1A



WJ837293
UTM COORDINATES

21-03-50N 105-48-21E
GEOGRAPHIC COORDINATES

NAME: HA NOI RADIO STATION NORTHWEST NEW

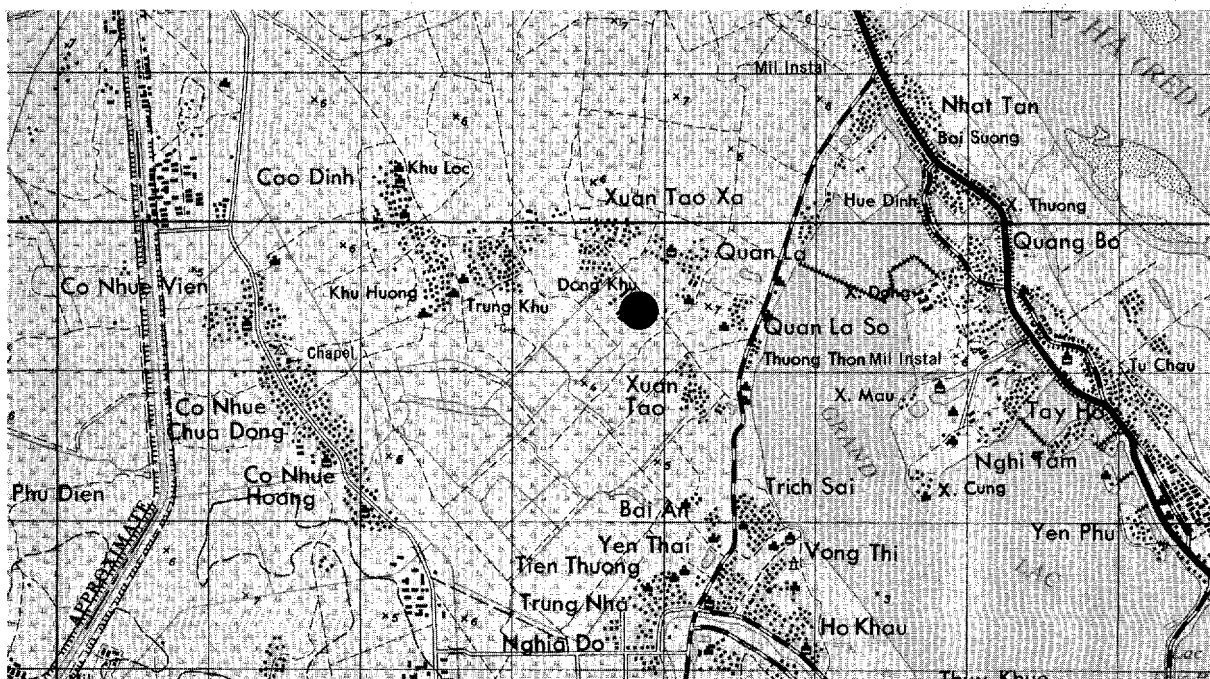
LOCATION: 3.6 NM NW OF HA NOI ON SOUTH EDGE OF DONG KHE

DESCRIPTION: FACILITY CONSISTS OF 1 PROBABLE FISHBONE ANTENNA AND 2 POSSIBLE HORIZONTAL DIPOLE ANTENNAS.

A SECURED CONTROL/SUPPORT AREA IMMEDIATELY NE OF THE ANTENNA FIELD CONTAINS APPROXIMATELY 20 BARRACKS/SUPPORT BUILDINGS.

25X1D

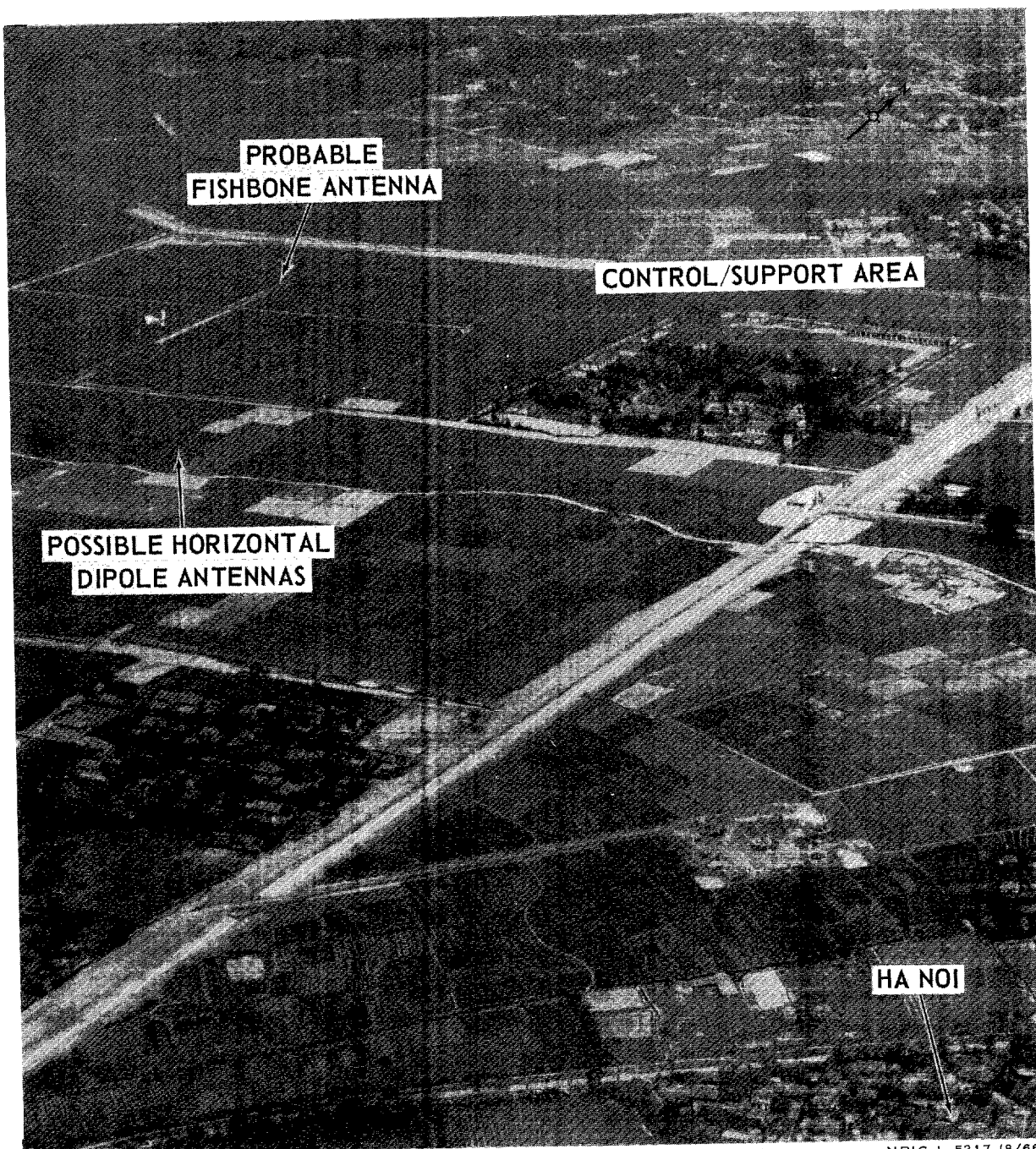
MAP REFERENCES: AMS SERIES L701, SHEET 6174-II, 3D ED, MAY 65 (U)
AMS SERIES 1501, SHEET NF 48-11, 1ST ED, AUG 65 (U)



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HA NOI RADIO STATION NORTHWEST NEW
WJ837293
UTM COORDINATES

21-03-50N 105-48-21E
GEOGRAPHIC COORDINATES



NPIC L-5217 (8/66)

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25X1A

WJ796204
UTM COORDINATES

20-59-10N 105-46-00E
GEOGRAPHIC COORDINATES

NAME: HA NOI INTERNATIONAL RADIO TRANSMISSION STATION DAI MO

LOCATION: 0.9 NM SE OF DAI MO AND 5.7 NM SW OF HA NOI

DESCRIPTION: FACILITY CONTAINS A CONTROL AREA SURROUNDED BY AN ANTENNA FIELD WITH 2 LARGE AND 2 SMALL RHOMBIC ANTENNAS ARRANGED IN PAIRS FOR DAY/NIGHT OPERATIONS, 1 LARGE DOUBLE RHOMBIC ANTENNA, 4 MEDIUM RHOMBIC ANTENNAS ARRANGED IN 2 PAIRS, 2 MEDIUM RHOMBIC ANTENNAS, 4 VEE ANTENNAS, AND 12 HORIZONTAL DIPOLE ANTENNAS.

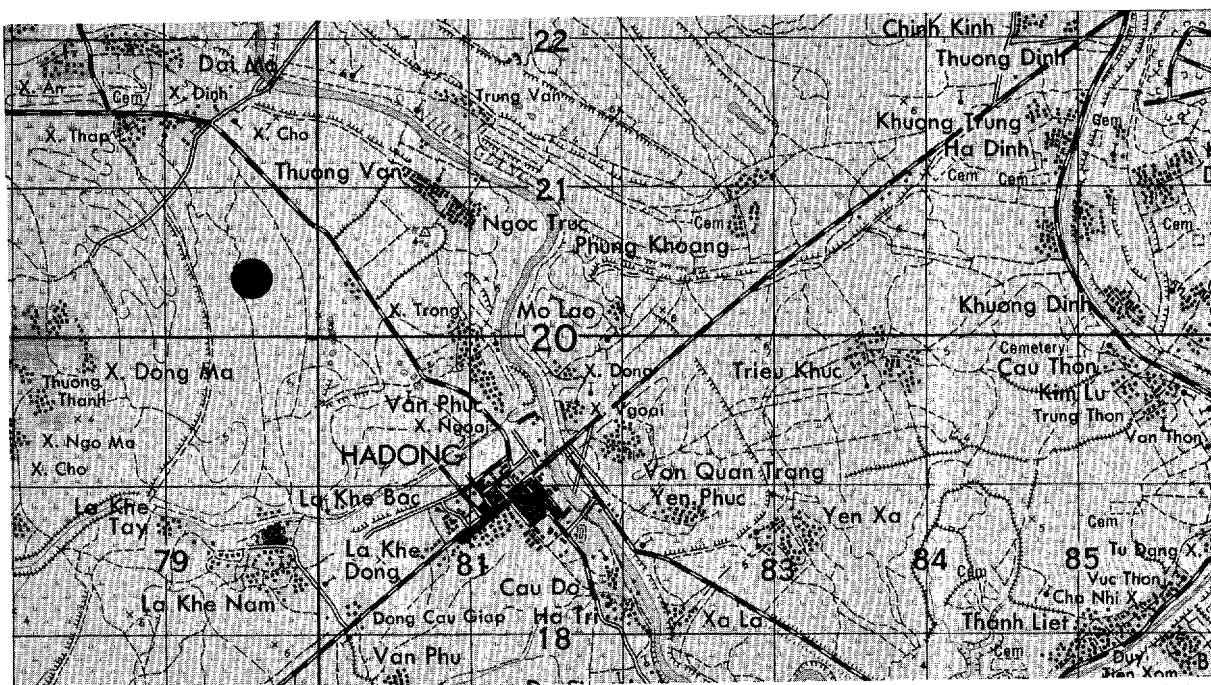
OTHER FACILITIES ARE CONTAINED IN 3 SEPARATE AREAS.
AREA A. THE CONTROL AREA IS WALL SECURED AND CONTAINS A DOUBLE-WALLED TRANSMITTER BUILDING, A CIRCULAR PROBABLE PERSONNEL BUNKER, 8 SUPPORT BUILDINGS, AND 2 COOLING PONDS.

AREA B (NOT ON PHOTO). A SECURED SUPPORT AREA IMMEDIATELY NE OF AREA A CONTAINS 4 PROBABLE BARRACKS, 1 MESSHALL, AND 10 SUPPORT BUILDINGS.

AREA C. A SECURED AREA SE OF AREA A CONTAINS 2 LARGE BUNKERED BUILDINGS.

25X1D

MAP REFERENCES: AMS SERIES L701, SHEET 6173-I, 1ST ED, JUN 60 (U)
AMS SERIES 1501, SHEET NF 48-15, 1ST ED, JUL 65 (U)

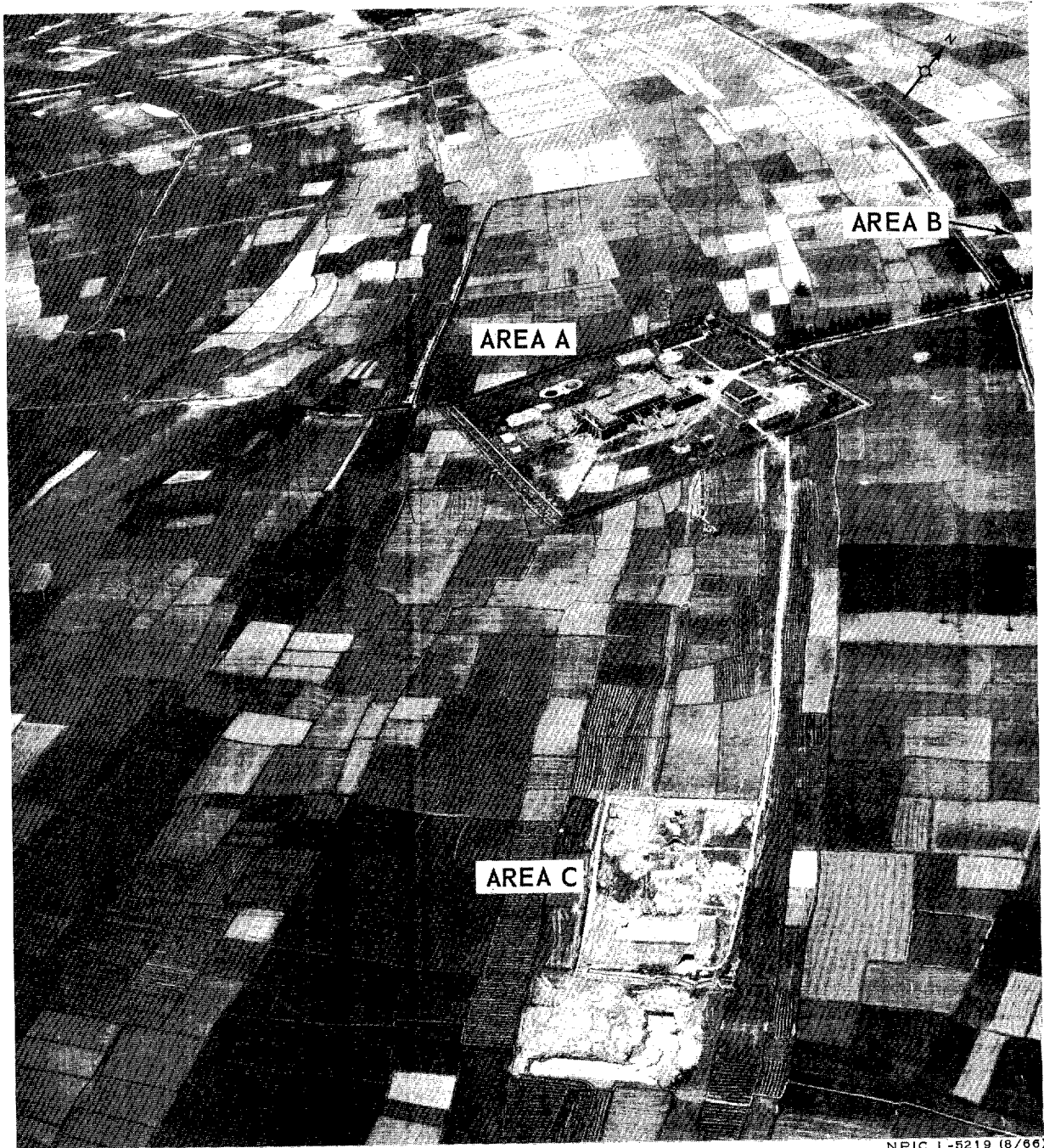


NPIC L-5218 (8/66)

NO FOREIGN DISSEM

25X1C

HA NOI INTERNATIONAL RADIO TRANSMISSION STATION DAI MO
WJ796204
UTM COORDINATES
20-59-10N 105-46-00E
GEOGRAPHIC COORDINATES



NPIC L-5219 (8/66)

25X1A

[REDACTED]
WJ718273
UTM COORDINATES

21-02-51N 105-41-32E
GEOGRAPHIC COORDINATES

NAME: HA NOI INTERNATIONAL RADIO RECEIVING STATION SON DONG

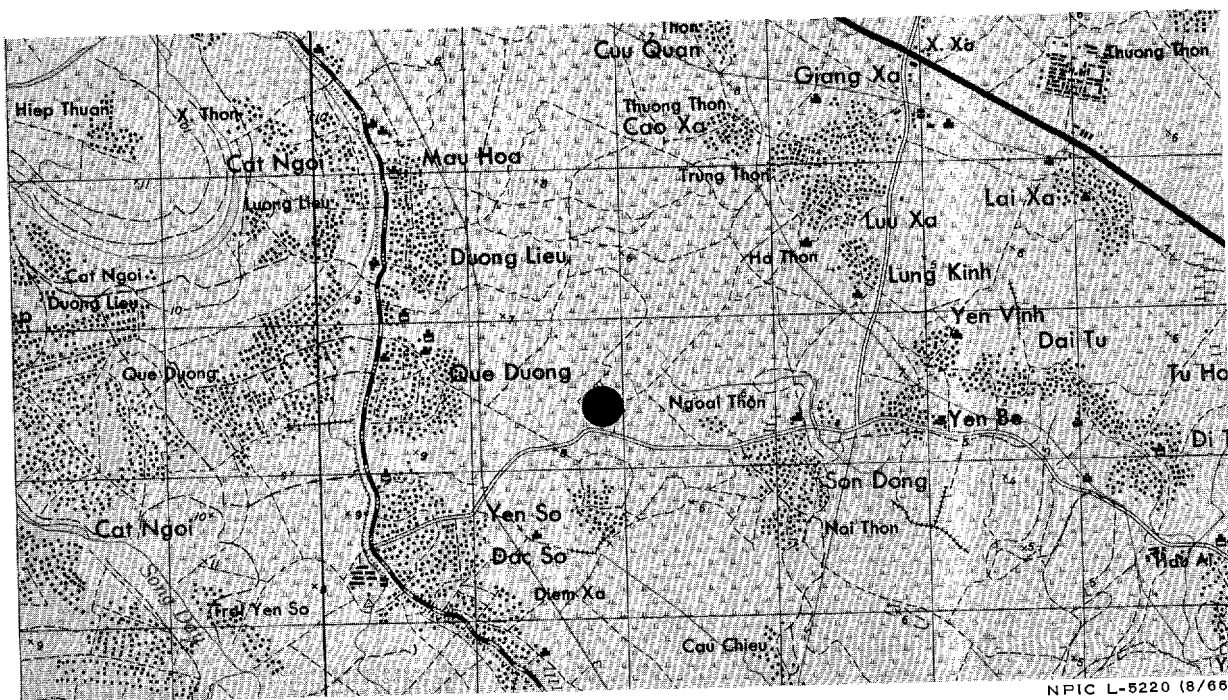
LOCATION: 8.6 NM WNW OF HA NOI

DESCRIPTION: FACILITY CONSISTS OF A CONTROL/SUPPORT AREA SURROUNDED BY AN ANTENNA FIELD WITH SEVERAL MASTS POSSIBLY SUPPORTING A SINGLE RHOMBIC AND A DOUBLE DAY/NIGHT RHOMBIC HF ANTENNA CONFIGURATION.

SEVENTEEN SUPPORT BUILDINGS ARE WITHIN THE CONTROL/SUPPORT AREA AND A BUNKER IS UNDER CONSTRUCTION IMMEDIATELY NE.

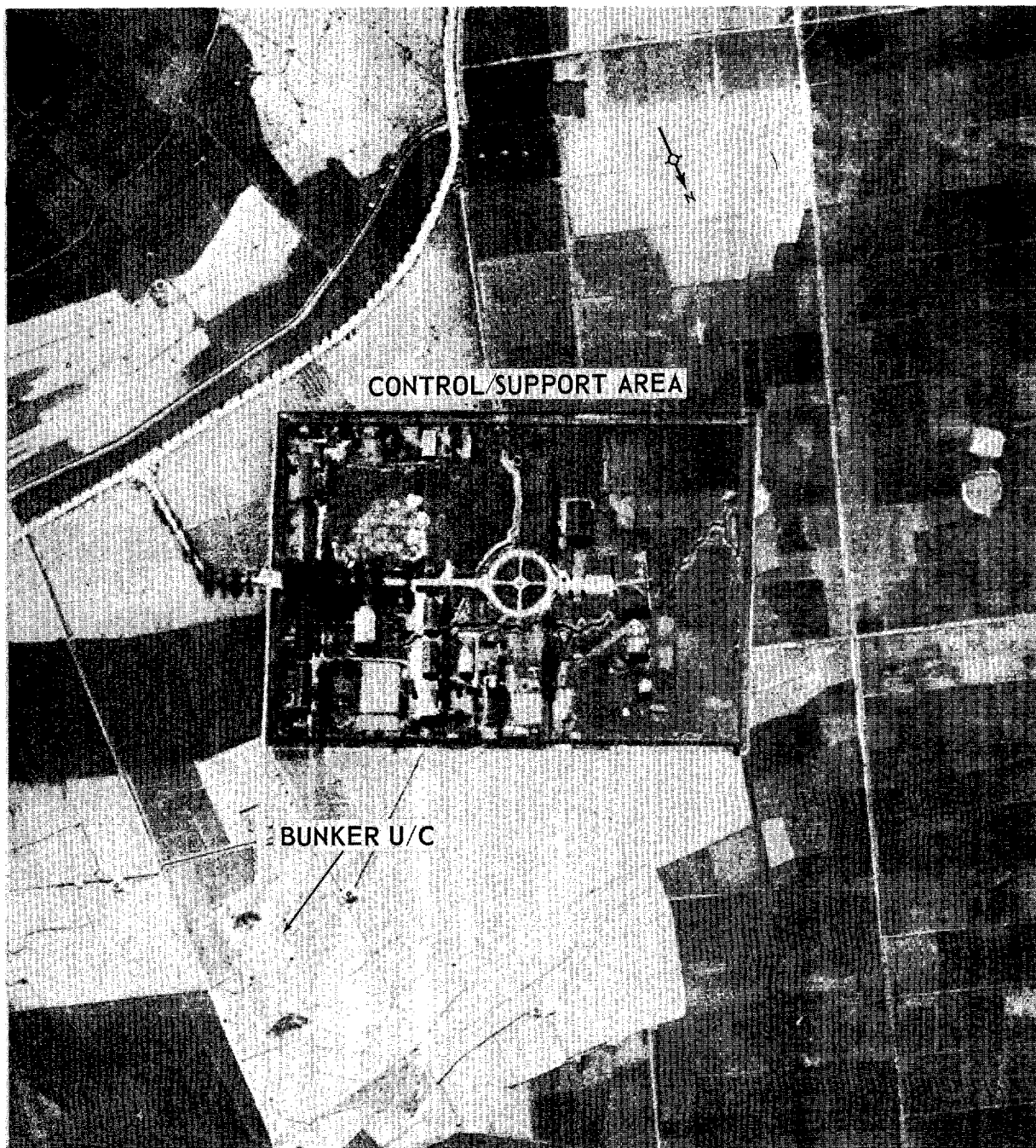
25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6151-III, 1ST ED, 1965 (U)
AMS SERIES 1501, SHEET NF 48-11, 1ST ED, AUG 65 (U)



NPIC L-5220 (8/66)

HA NOI INTERNATIONAL RADIO RECEIVING STATION SON DONG
WJ718273 21-02-51N 105-41-32E
UTM COORDINATES GEOGRAPHIC COORDINATES



NPIC L-5221 (8/66)

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25X1A

WJ818216
UTM COORDINATES

20-59-43N 105-47-10E
GEOGRAPHIC COORDINATES

NAME: HA NOI RADIO BROADCASTING STATION ME TRI

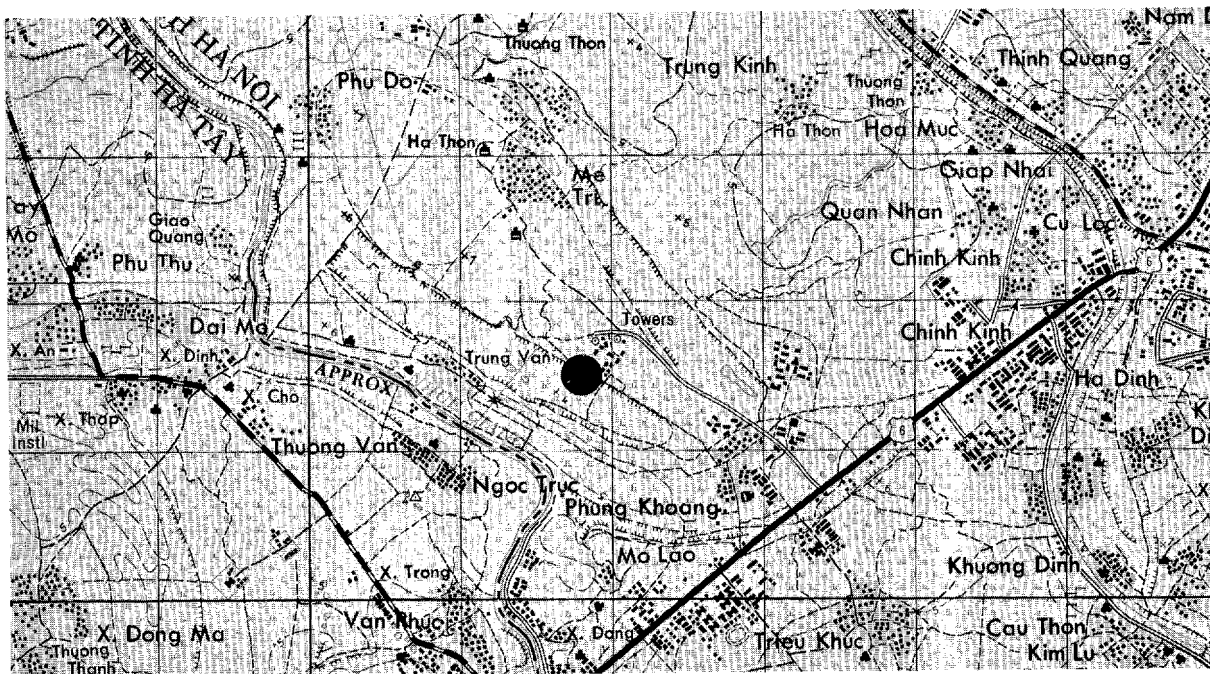
LOCATION: 4.3 NM SW OF HA NOI AND 0.6 NM SSE OF ME TRI

DESCRIPTION: SECURED FACILITY CONTAINS A DOUBLE-WALLED CONTROL BUILDING, 2 STEEL LATTICE TOWERS WITH CROSSARMS SUPPORTING SEVERAL HORIZONTAL ELEMENTS, 2 PAIRS OF DAY/NIGHT RHOMBIC ANTENNAS, AT LEAST 6 PROBABLE HORIZONTAL DIPOLE ANTENNAS, AND AT LEAST 8 OTHER MASTS.

SUPPORT FACILITIES INCLUDE APPROXIMATELY 25 BUILDINGS AND A BUNKERED BUILDING.

25X1D

MAP REFERENCES: AMS SERIES L701, SHEET 6173-I, 3D ED, JUN 60 (U)
AMS SERIES 1501, SHEET NF 48-11, 1ST ED, AUG 65 (U)



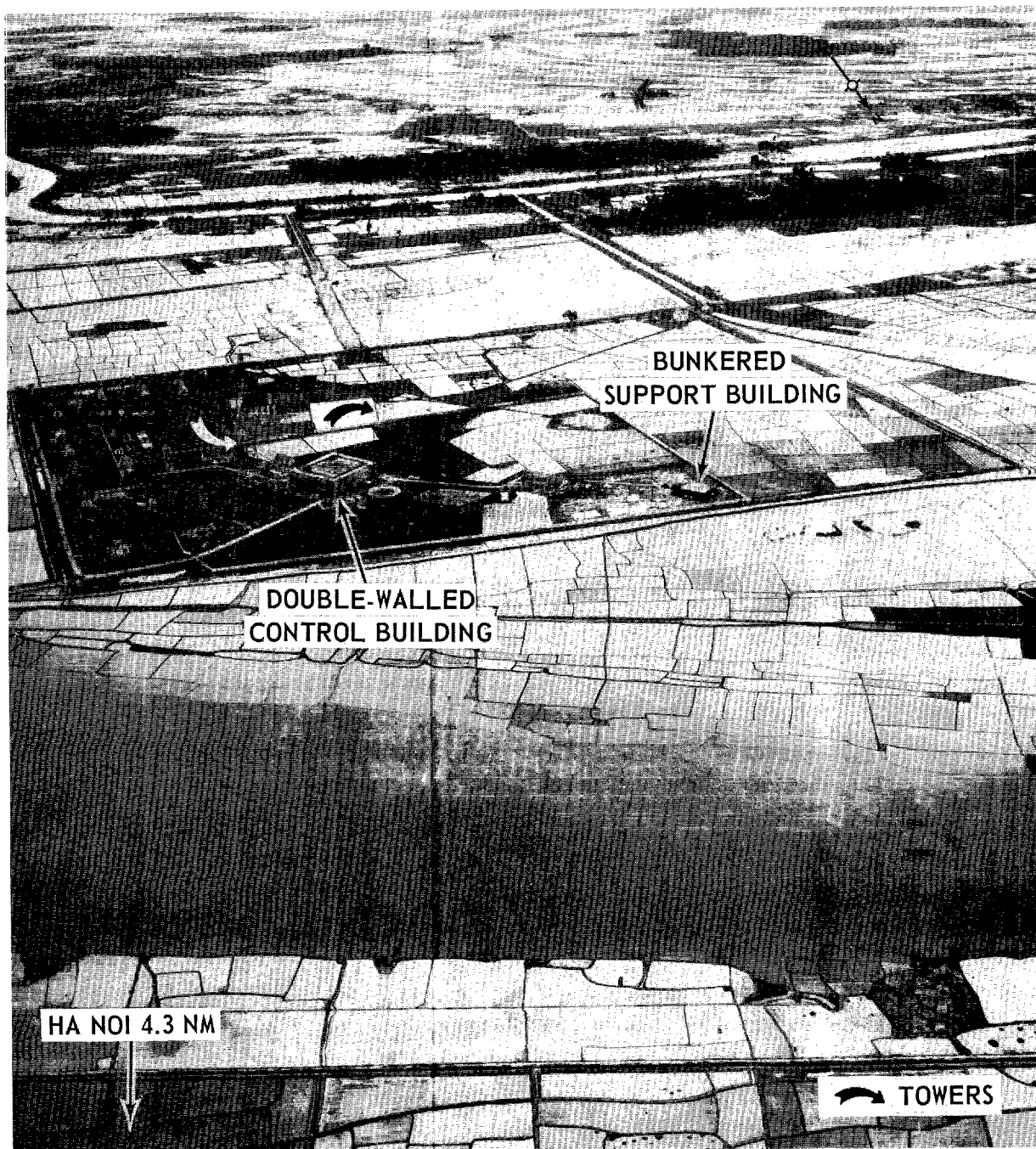
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25X1C

HA NOI RADIO BROADCASTING STATION ME TRI
WJ818216
UTM COORDINATES

20-59-43N 105-47-10E
GEOGRAPHIC COORDINATES



NPIC L-5223 (8/66)

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BE NUMBER	UTM COORDINATES	GEOGRAPHIC COORDINATES
	WJ830194	20-58-30N 105-47-48E

NAME: HA DONG COMMUNICATIONS FACILITY

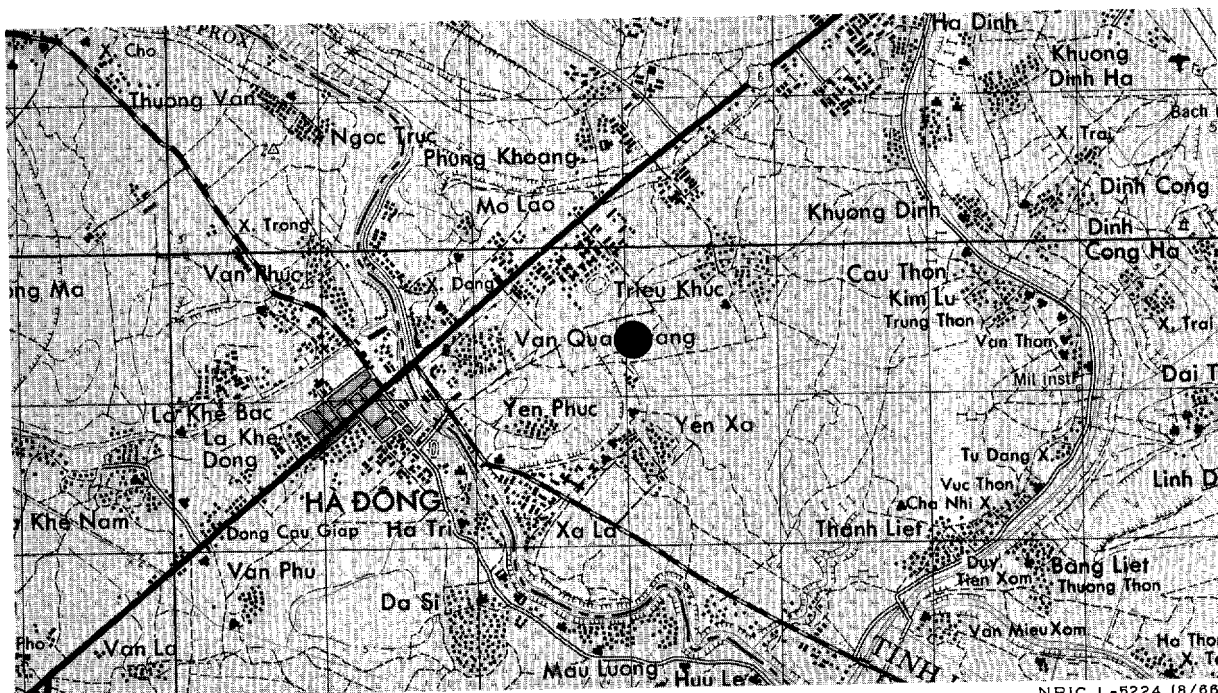
LOCATION: 1.1 NM EAST OF HA DONG AND 3.5 NM SW OF HA NOI

DESCRIPTION: FACILITY CONSISTS OF A CONTROL AREA SURROUNDED BY AN ANTENNA FIELD WITH AT LEAST 6 HORIZONTAL DIPOLE ANTENNAS AND NUMEROUS SMALL MASTS AND TOWERS.

A WALL-SECURED SUPPORT AREA CONTAINS 1 CONTROL BUILDING, 6 SUPPORT BUILDINGS, A WATER TOWER, AND A COOLING POND.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6150-I, 1ST ED, 1965 (U)
AMS SERIES L1501, SHEET NF 48-15, 1ST ED, JUL 65 (U)



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HA DONG COMMUNICATIONS FACILITY
WJ830194
UTM COORDINATES

20-58-30N 105-47-48E
GEOGRAPHIC COORDINATES



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21-14-25N 105-44-55E
GEOGRAPHIC COORDINATES

25X1D

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NPIC L-5226 (8/66)

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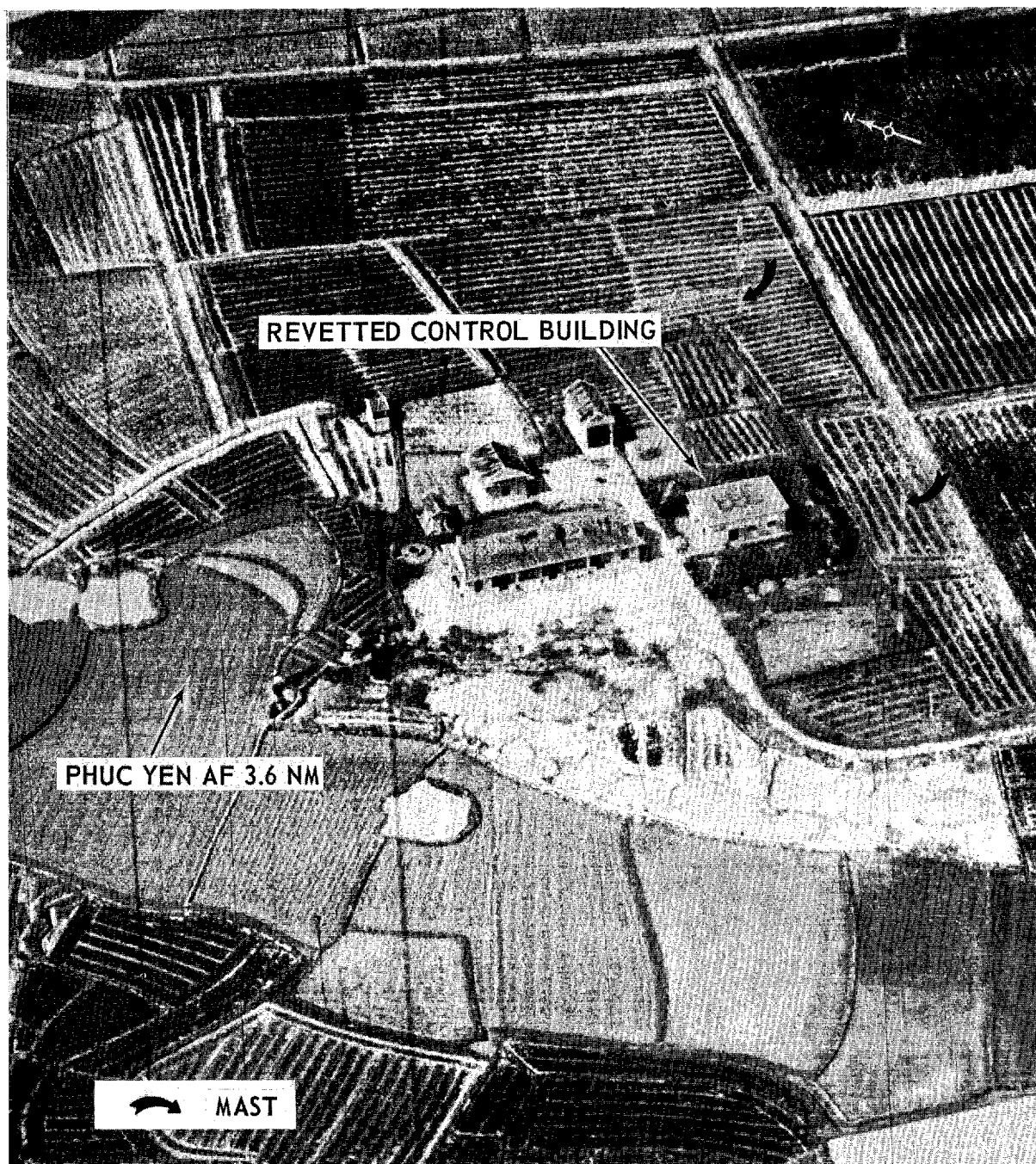
NPIC/R-267/66

PHUC YEN RADIO COMMUNICATIONS STATION
WJ776485

21-14-25N 105-44-55E

UTM COORDINATES

GEOGRAPHIC COORDINATES



NPIC L-5227 (8/66)

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BE NUMBER	UTM COORDINATES	GEOGRAPHIC COORDINATES
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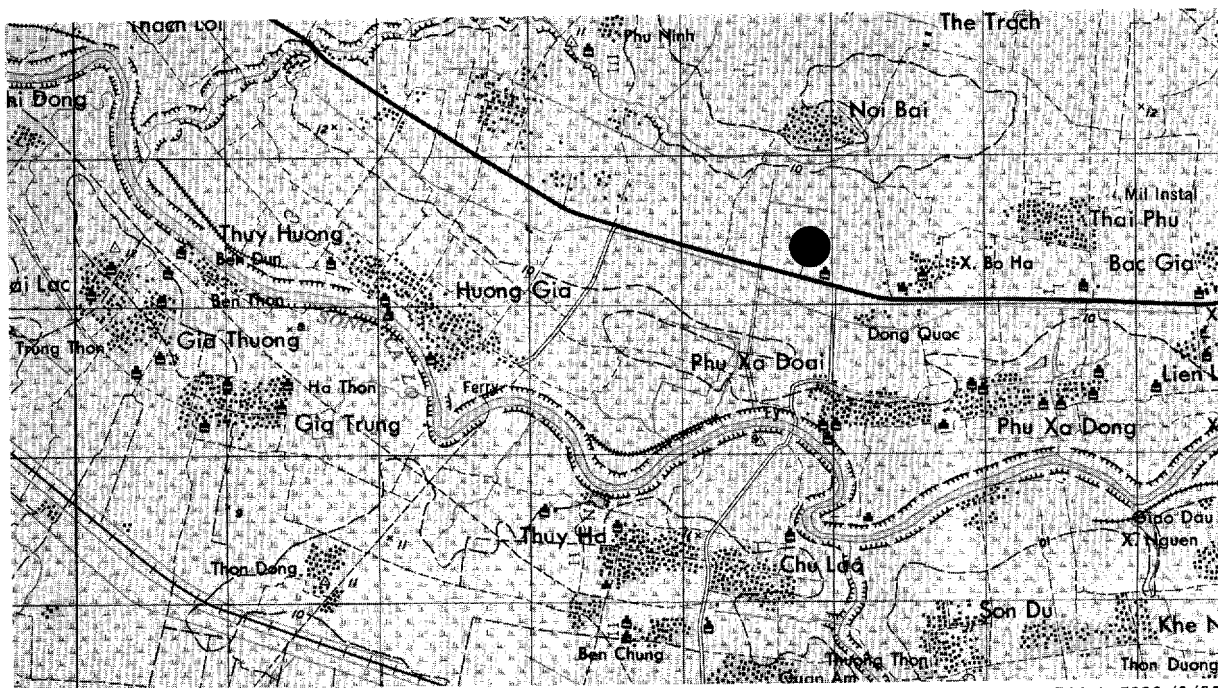
NAME: NOI BAI COMMUNICATIONS FACILITY

LOCATION: 0.4 NM SOUTH OF NOI BAI

DESCRIPTION: FACILITY CONSISTS OF A CONTROL BUILDING, 2 LARGE REVETMENTS (1 WITH A VERTICAL MAST), AND 5 SUPPORT BUILDINGS.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6151-II, 1ST ED, 1965 (U)
AMS SERIES 1501, SHEET NF 48-11, 1ST ED, AUG 65 (U)



NPIC L-5228 (8/66)

WJ847444
UTM COORDINATES

NOI BAI COMMUNICATIONS FACILITY
21-12-00N 105-49-06E
GEOGRAPHIC COORDINATES



NPIC L-5229 (8/66)

BE NUMBER	UTM COORDINATES	GEOGRAPHIC COORDINATES
	WJ835927	21-38-15N 105-48-30E

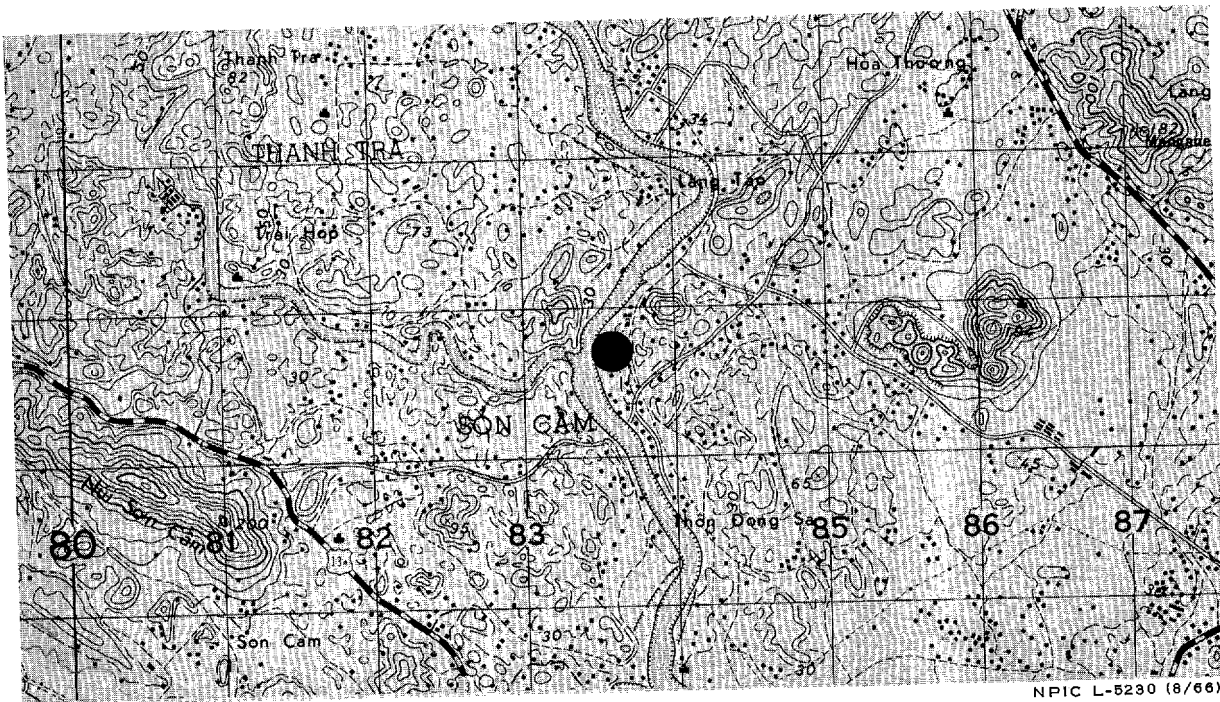
NAME: THAI NGUYEN COMMUNICATIONS FACILITY

LOCATION: 3.4 NM NW OF THAI NGUYEN

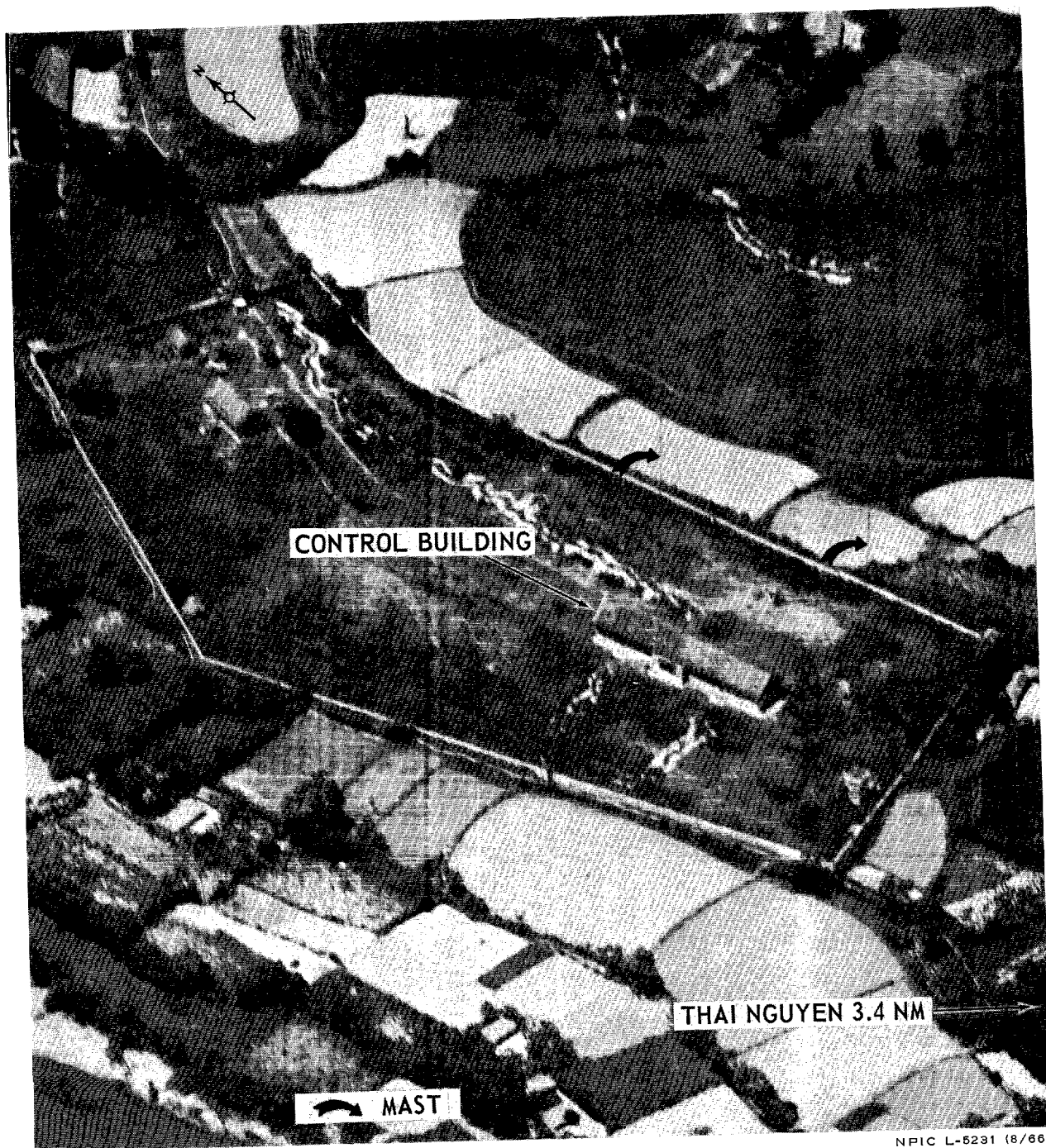
DESCRIPTION: WALL-SECURED FACILITY CONSISTS OF 1 HORIZONTAL DIPOLE ANTENNA SUPPORTED BY 2 MASTS AND 1 CONTROL AND 6 SUPPORT BUILDINGS.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6152-II, 1ST ED, 1965 (U)
AMS SERIES 1501, SHEET NF 48-11, 1ST ED, AUG 65 (U)



THAI NGUYEN COMMUNICATIONS FACILITY
WJ835927 21-38-15N 105-48-30E
UTM COORDINATES GEOGRAPHIC COORDINATES



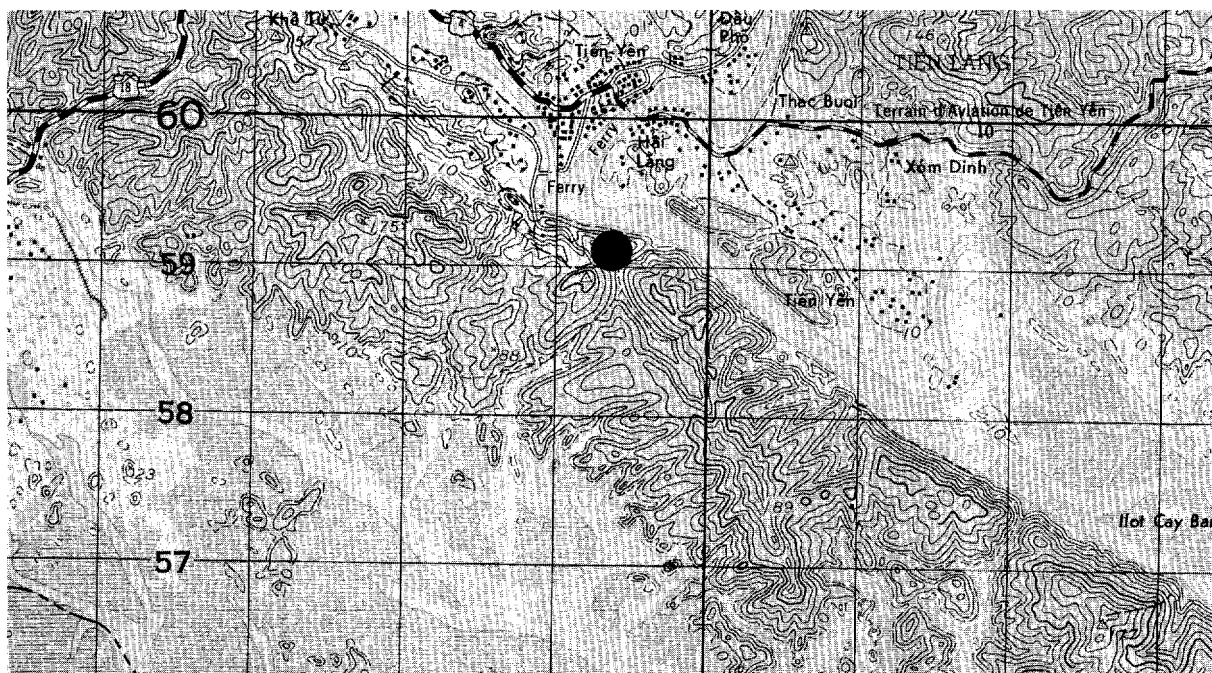
NPIC L-5231 (8/66)

BE NUMBER	UTM COORDINATES	GEOGRAPHIC COORDINATES
	YJ493591	21-19-06N 107-24-14E

NAME: TIEN YEN PROBABLE COMMUNICATIONS FACILITY
(BE DESIGNATION: TIEN YEN RADIO COMMUNICATIONS FACILITY)
LOCATION: 0.5 NM SOUTH OF TIEN YEN ON THE SOUTH BANK OF THE SONG
TIEN YEN (RIVER)
DESCRIPTION: FACILITY CONTAINS 1 MAST AND 1 PROBABLE CONTROL BUILDING.
A WEATHER STATION IS APPROXIMATELY 1 NM NE AT UTM YJ508598.

25X1D

MAP REFERENCES: AMS SERIES L701, SHEET 6474-I, 1ST ED, JUN 64 (U)
AMS SERIES 1501, SHEET NF 48-12, 1ST ED, AUG 65 (U)



NPIC L-5232 (8/66)

CONFIDENTIAL

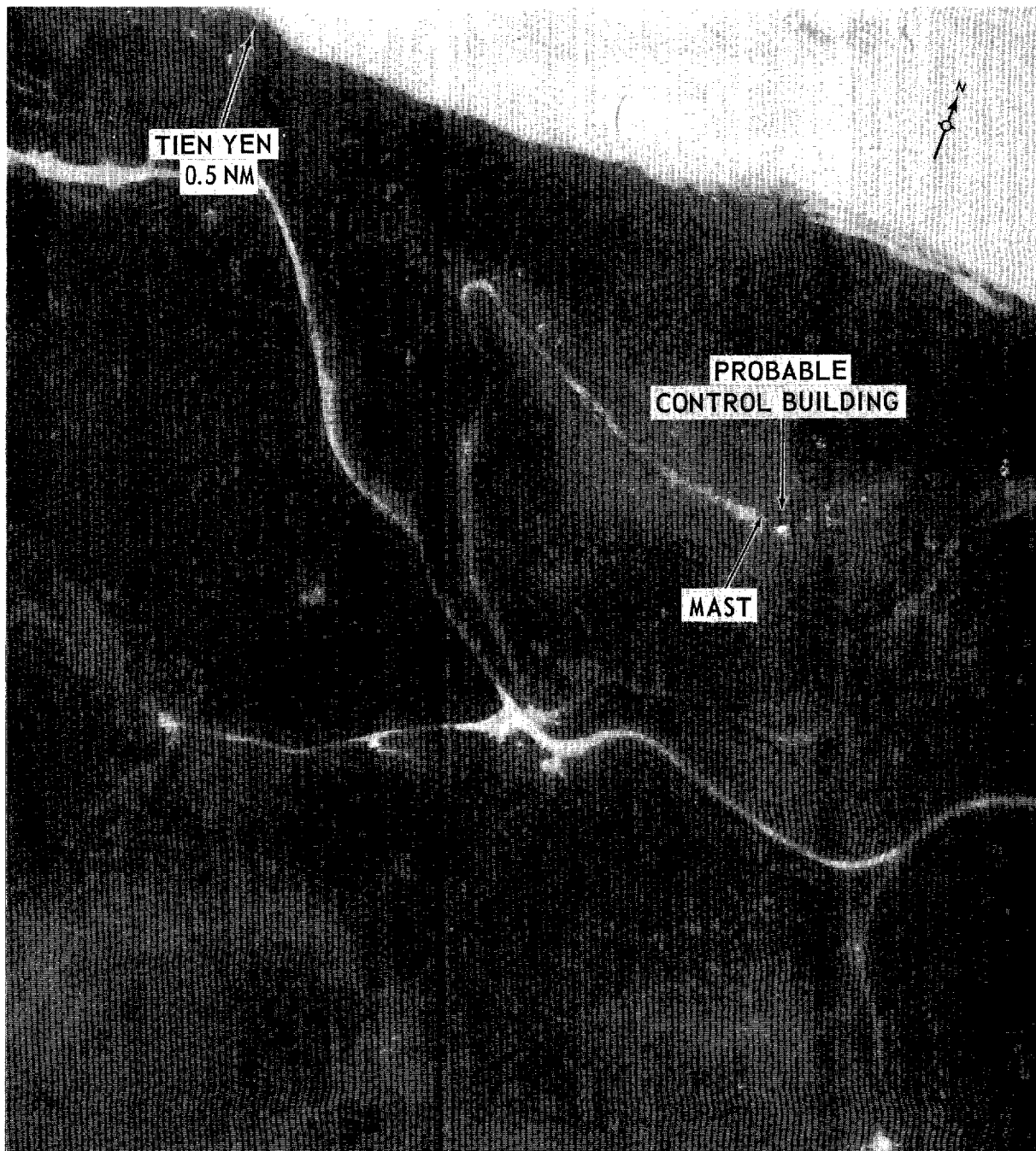
NPIC/R-267/66

25X1C

TIEN YEN PROBABLE COMMUNICATIONS FACILITY

YJ493591
UTM COORDINATES

21-19-06N 107-24-14E
GEOGRAPHIC COORDINATES



NPIC L-5233 (8/66)

A-26

CONFIDENTIAL

25X1C

25X1A

[REDACTED]	XJ771083	20-52-02N 106-42-17E
	UTM COORDINATES	GEOGRAPHIC COORDINATES

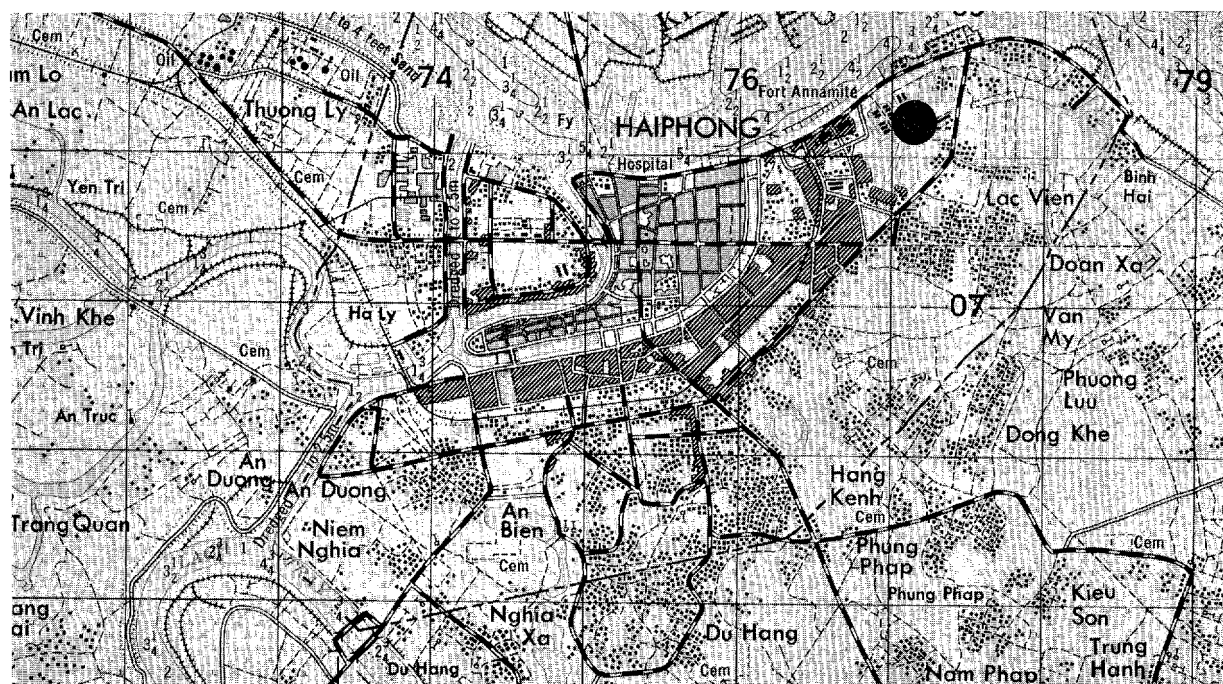
NAME: HAI PHONG RADIO COMMUNICATIONS STATION MILITARY

LOCATION: NE EDGE OF HAI PHONG

DESCRIPTION: FACILITY CONSISTS OF 3 MASTS, 1 SMALL CONTROL BUILDING, AND 1 SUPPORT BUILDING.

25X1D

MAP REFERENCES: AMS SERIES L701, SHEET 6373-IV, 3D ED, JAN 61 (U)
AMS SERIES 1501, SHEET NF-48-16, 1ST ED, JUL 65 (U)



A-27

NPIC L-5234 (8/66)

CONFIDENTIAL

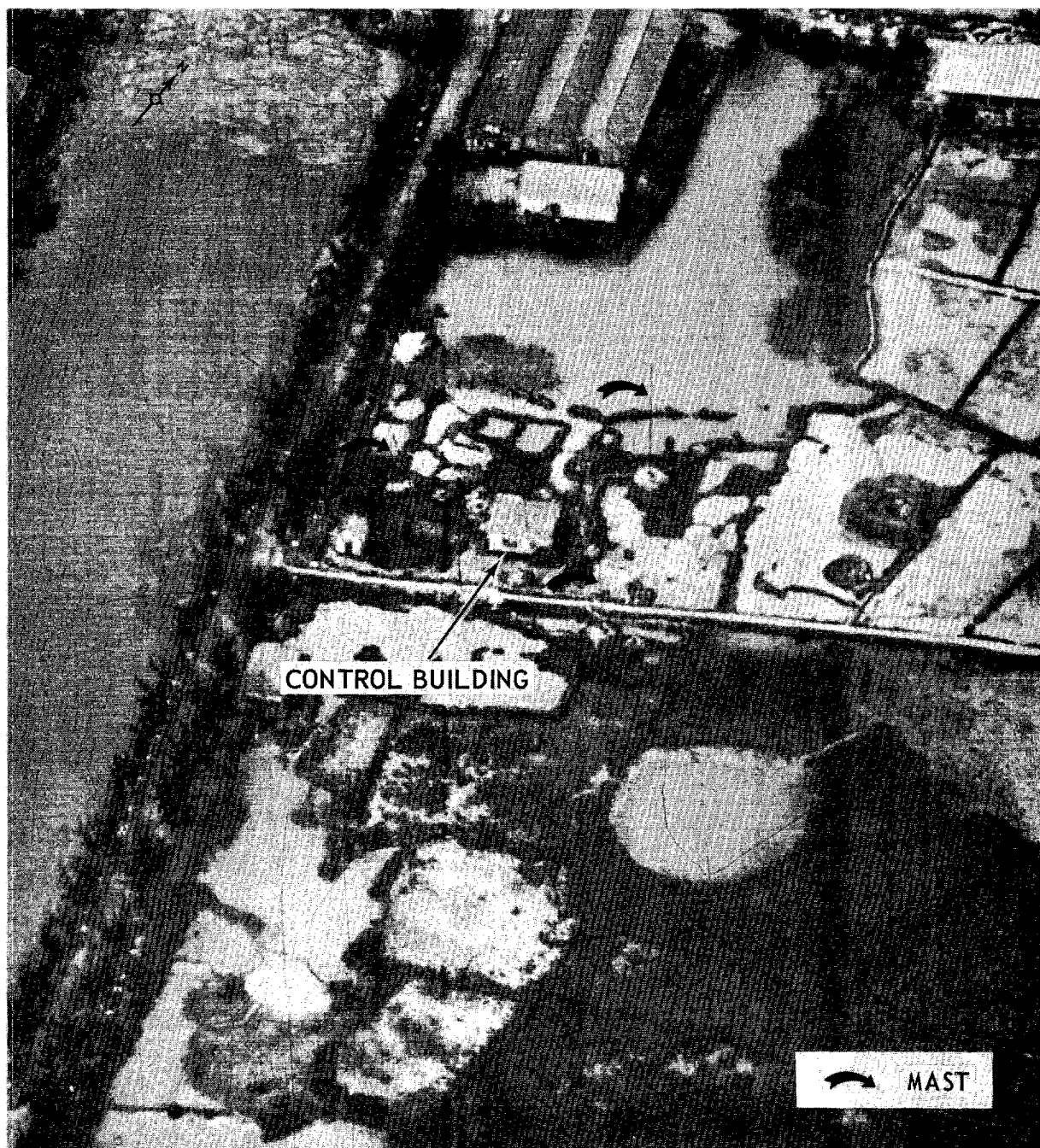
NPIC/R-267/66
25X1C

HAI PHONG RADIO COMMUNICATIONS STATION MILITARY
XJ771083

20-52-02N 106-42-17E

UTM COORDINATES

GEOGRAPHIC COORDINATES



NPIC L-5235 (8/66)

A-28

CONFIDENTIAL

CONFIDENTIAL

NPIC/R-267/66

25X1A

[REDACTED] XH896859
UTM COORDINATES

20-39-51N 106-49-20E
GEOGRAPHIC COORDINATES

NAME: DO SON RADIO COMMUNICATIONS STATION HON DAU ISLAND COASTAL

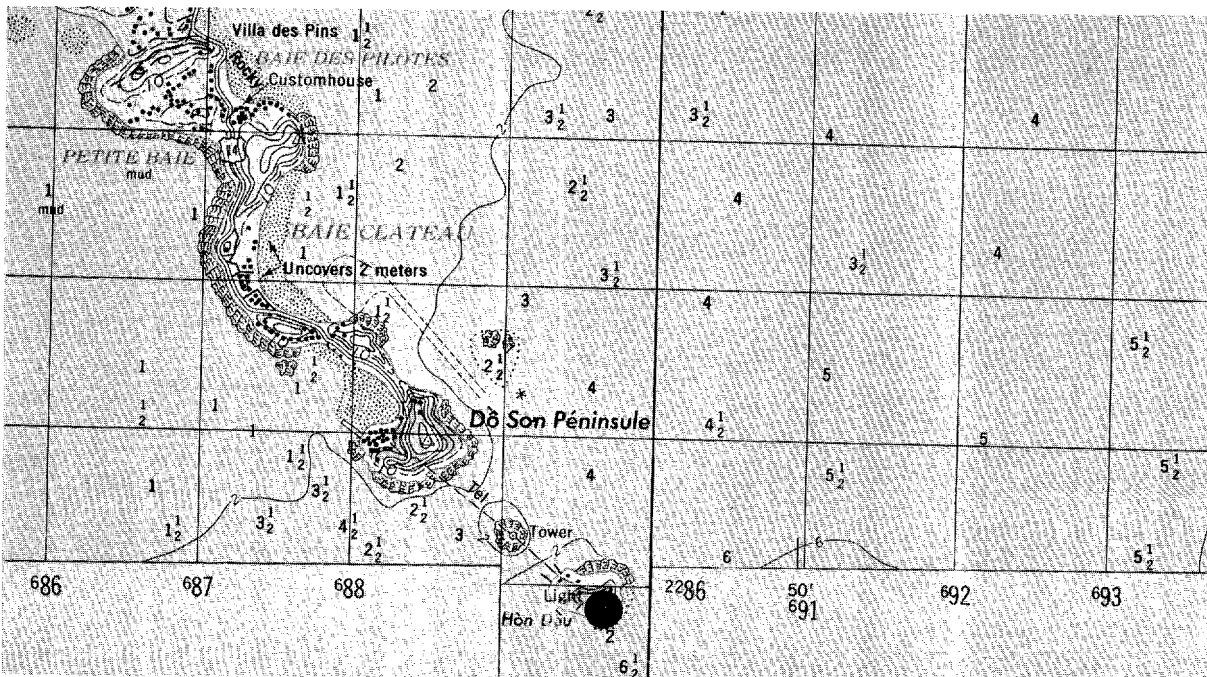
LOCATION: SE EDGE OF HON DAU ISLAND, 0.8 NM SE OF DO SON PENINSULA

DESCRIPTION: FACILITY CONSISTS OF A SINGLE MAST ADJACENT TO THE HON DAU ISLAND LIGHTHOUSE.

THIS FACILITY IS PROBABLY USED FOR SHIP-TO-SHORE COMMUNICATIONS.

25X1D

MAP REFERENCES: AMS SERIES L701, SHEET 6373-II, 1ST ED, JUN 64 (U)
AMS SERIES 1501, SHEET NF 48-16, 1ST ED, JUL 65 (U)



NPIC L-5236 (8/66)

A-29

CONFIDENTIAL

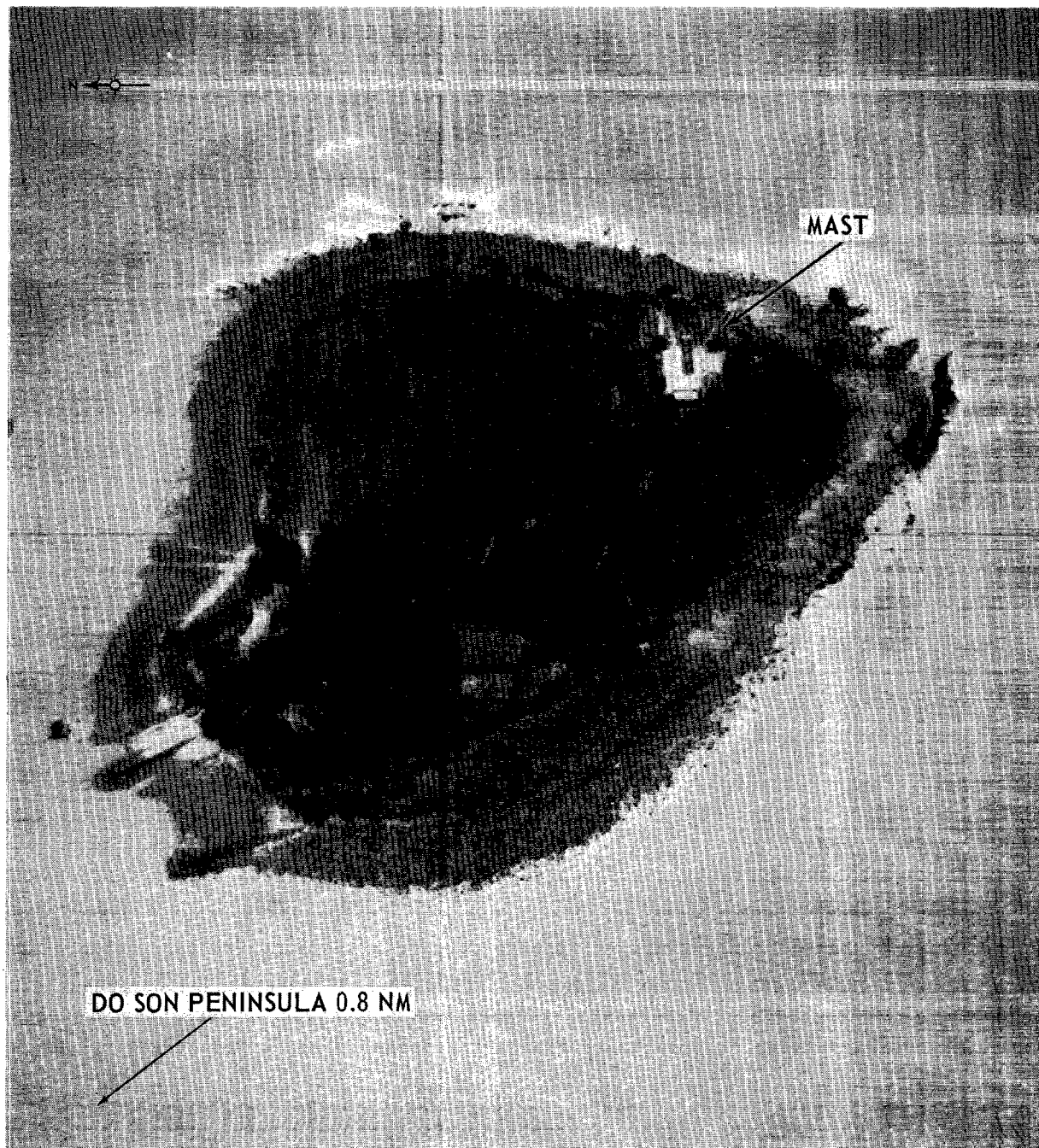
CONFIDENTIAL

DO SON RADIO COMMUNICATIONS STATION HON DAU ISLAND COASTAL
XH896859

20-39-51N 106-49-20E

UTM COORDINATES

GEOGRAPHIC COORDINATES



NPIC L-5237 (8/66)

25X1A

VG156432
UTM COORDINATES

19-22-55N 104-11-45E
GEOGRAPHIC COORDINATES

NAME: MUONG SEN RADIO COMMUNICATIONS STATION

LOCATION: 3 NM WSW OF MUONG SEN

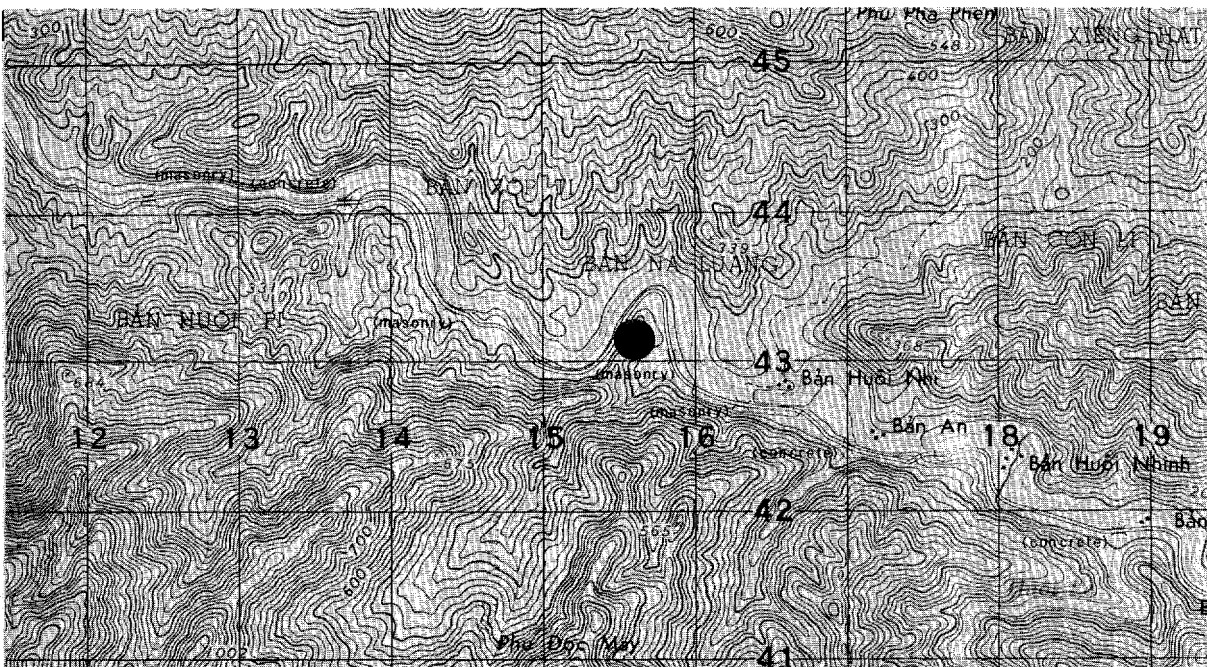
DESCRIPTION: PRIOR TO AIR STRIKE ON 12 JUNE 1965, THE FACILITY CONSISTED OF 5 BUILDINGS AND 2 MASTS.

25X1D

PHOTOGRAPHY OF [REDACTED] REVEALS THAT THE FACILITY IS ABANDONED. NO MASTS ARE DISCERNIBLE.

25X1D

MAP REFERENCES: AMS SERIES L701, SHEET 5869-II, 1ST ED, JUN 63 (U)
AMS SERIES 1501, SHEET NE 48-2, 1ST ED, DEC 65 (U)



NPIC L-5238 (8/66)

CONFIDENTIAL

NPIC/R-267/66
25X1C

MUONG SEN RADIO COMMUNICATIONS STATION
VG156432
UTM COORDINATES

19-22-55N 104-11-45E
GEOGRAPHIC COORDINATES



NPIC L-5239 (8/66)

CONFIDENTIAL

25X1C

25X1A

[REDACTED] XE583582
UTM COORDINATES

17-42-24N 106-29-35E
GEOGRAPHIC COORDINATES

NAME: QUANG KHE RADIO COMMUNICATIONS STATION

LOCATION: 1 NM NE OF QUANG KHE

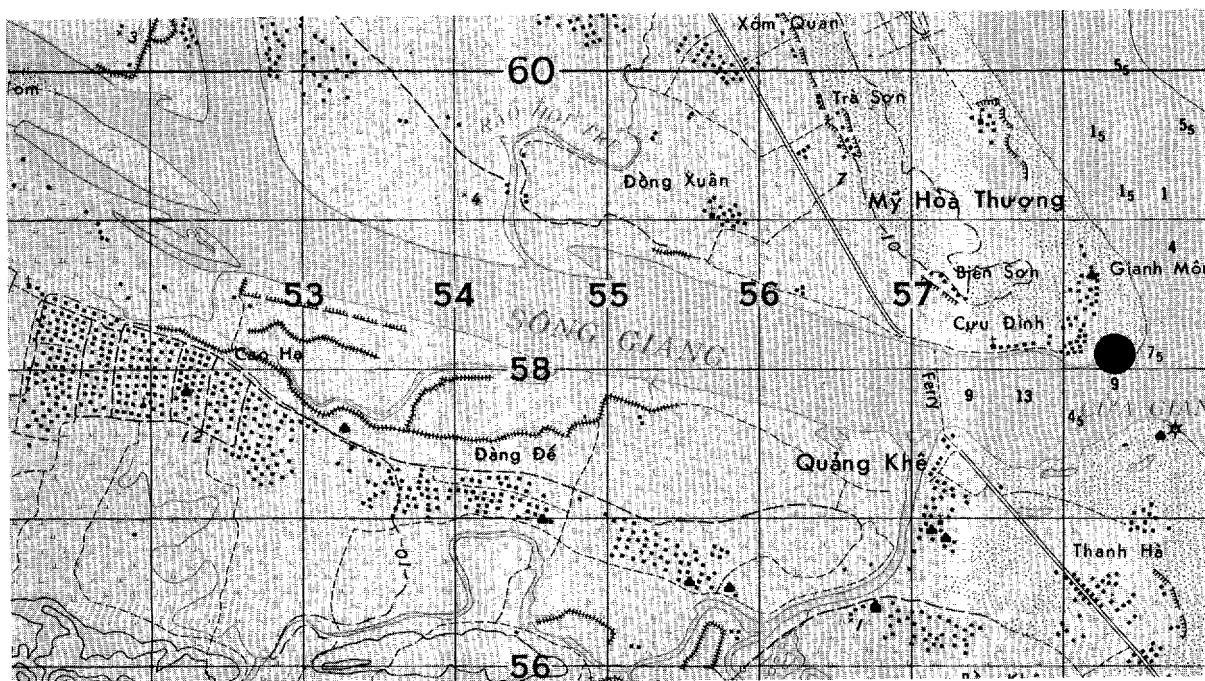
DESCRIPTION: FENCE-SECURED FACILITY PRIOR TO AIR STRIKE CONSISTED OF 1 LARGE STEEL LATTICE TOWER, 1 CONTROL BUILDING, AND 1 MEDIUM STEEL LATTICE TOWER WITH A BEACON LIGHT. AN ADDITIONAL LARGE STEEL LATTICE TOWER WAS ACROSS THE SONG GIANG (RIVER), 0.4 NM SOUTH.

POST-STRIKE PHOTOGRAPHY REVEALS THAT THE CONTROL BUILDING HAS BEEN DESTROYED. NUMEROUS BOMB CRATERS ARE VISIBLE THROUGHOUT THE AREA. ALL TOWERS REMAIN STANDING.

THIS FACILITY PROBABLY FUNCTIONS AS A NAVIGATIONAL AID.

25X1D

[REDACTED]
MAP REFERENCES: AMS SERIES L701, SHEET 6264-II, 1ST ED, JUN 62 (U)
AMS SERIES 1501, SHEET NE 48-II, 1ST ED, DEC 65 (U)



NPIC L-5240 (8/66)

A-33

CONFIDENTIAL

NPIC/R-267/66

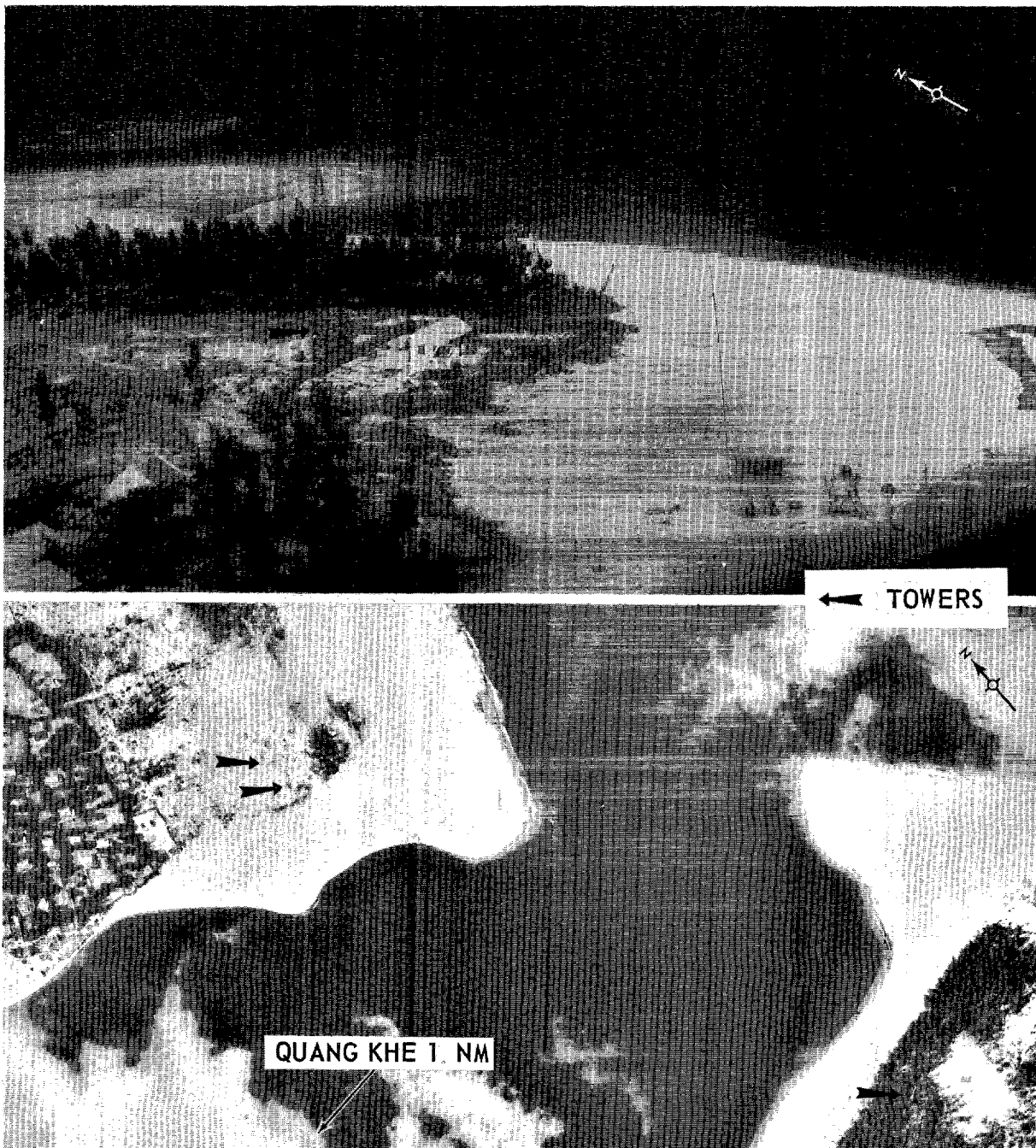
25X1C

QUANG KHE RADIO COMMUNICATIONS STATION
XE583582

17-42-24N 106-29-35E

UTM COORDINATES

GEOGRAPHIC COORDINATES



NPIC L-5241 (8/66)

A-34

NO FOREIGN DISSEM

CONFIDENTIAL

25X1C

B

CATEGORY B
TELEPHONE/TELEGRAPH
OPEN WIRE LINES

CONFIDENTIAL

TABLE OF CONTENTS CATEGORY B

<u>Name</u>	<u>Page</u>
Line 1. Lao Cai/Yen Bai (Probable)	B-1
Line 2. China Border/Hoa Binh Area (Route 6)	B-3
Line 2A. Laos Border Area (Route 19)	B-5
Line 3. Laos/Vietnam Demilitarized Zone	B-7

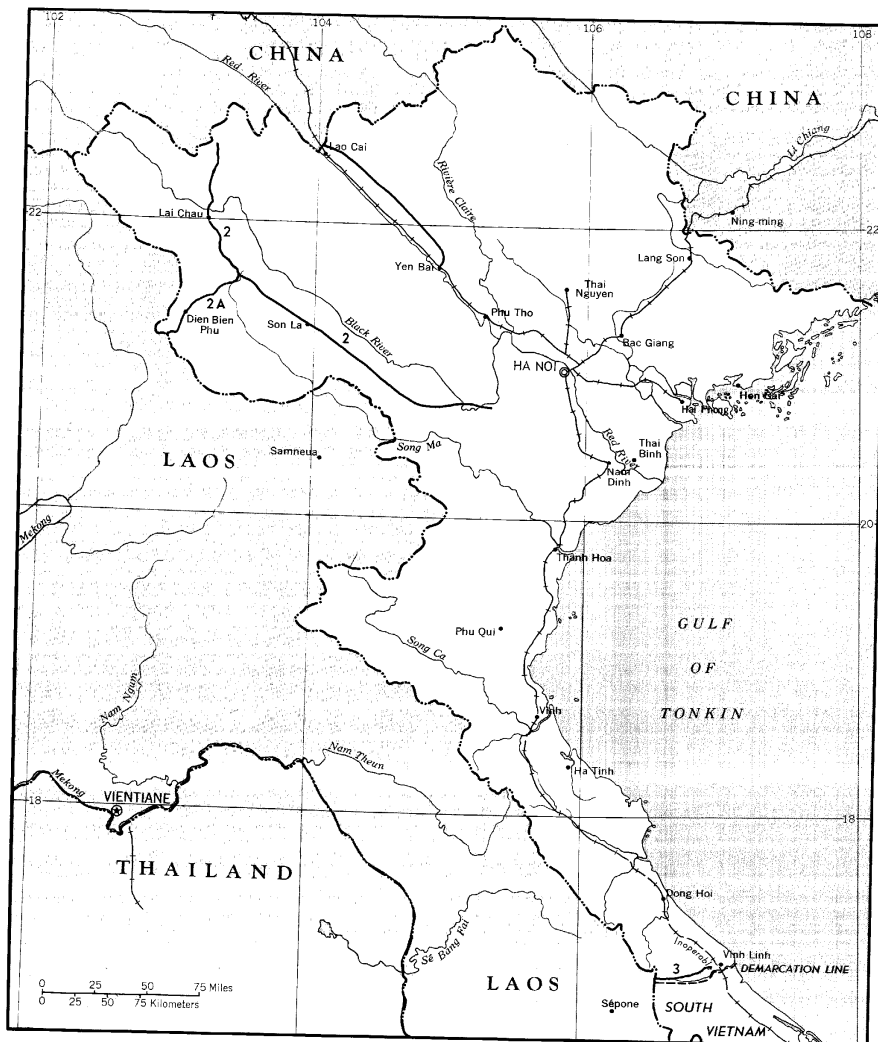
CONFIDENTIAL

CONFIDENTIAL

NO FOREIGN DISSEM

25X1C

NPIC/R-267/66



KEY TO CATEGORY B
TELEPHONE/TELEGRAPH OPEN WIRE LINES

- Line 1. Lao Cai/Yen Bai (Probable)
- Line 2. China Border/Hoa Binh Area (Route 6)
- Line 2A. Laos Border Area (Route 19)
- Line 3. Laos/Vietnam Demilitarized Zone

CONFIDENTIAL

NO FOREIGN DISSEM

25X1C

CONFIDENTIAL

NO FOREIGN DISSEM [REDACTED]

25X1C

LINE 1. LAO CAI/YEN BAI PROBABLE TELEPHONE/TELEGRAPH LINE

A probable telephone/telegraph line extends southeastward from the Chinese border region near Lao Cai for a distance of approximately 75 nautical miles to the vicinity of Yen Bai.

The trace for this probable telephone/telegraph line is observed intermittently from 22-31N 105-01E, a point 2 nm east-northeast of Lao Cai, southeastward following the alignment of Route 4 to 22-22N 104-14E.

The trace continues southeastward to 22-14N 104-29E, following the general alignment of a new road under construction (See photo), and southeast to 22-11N 104-25E where it intersects Route 157.

The trace continues southeastward following the alignment of Route 157 to 21-46N 104-58E, then southwestward following Route 13 to the extent of photographic coverage at 21-44N 104-57E, a point 5 nm northeast of Yen Bai.

25X1D [REDACTED]

B-1

CONFIDENTIAL

NO FOREIGN DISSEM [REDACTED]

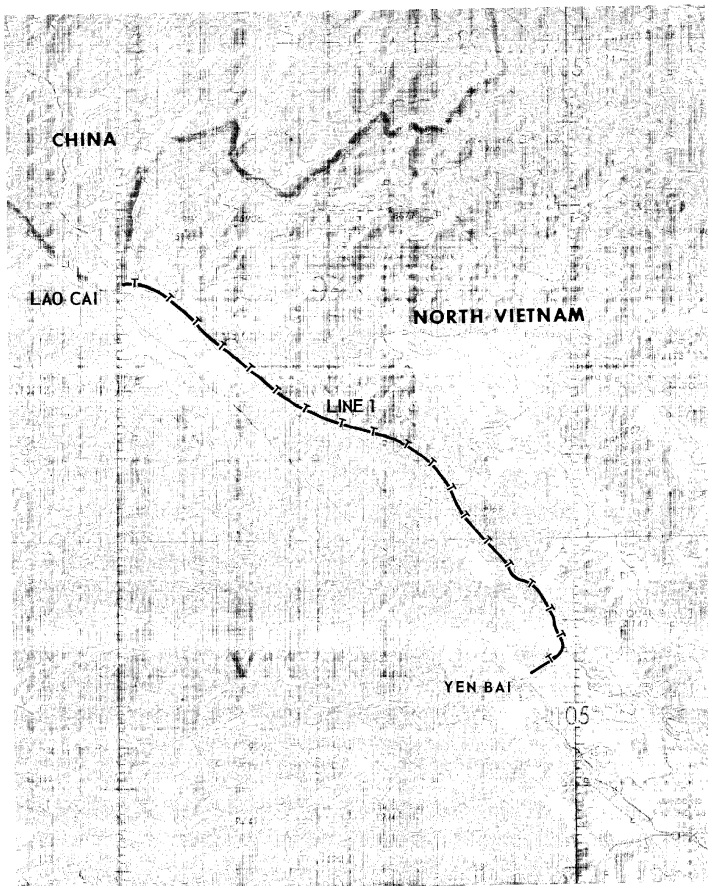
25X1C

CONFIDENTIAL

NPIC/R-267/66

NO FOREIGN DISSEM

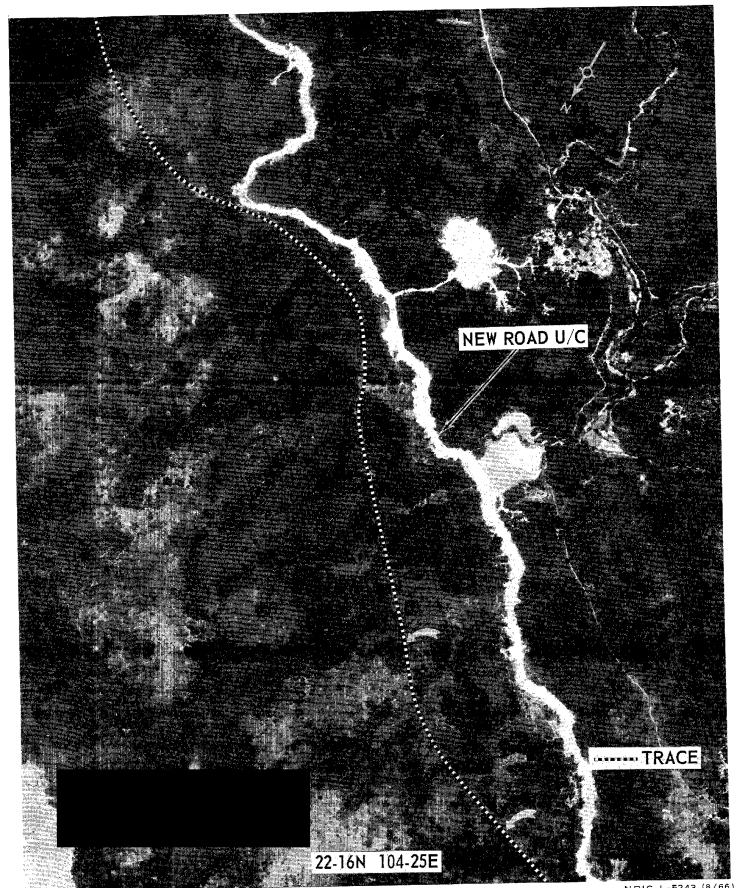
25X1C



LINE 1. LAO CAI/YEN BAI PROBABLE TELEPHONE/TELEGRAPH WIRE LINE.

B-2

25X1D



NPIC L-5243 (8/66)

CONFIDENTIAL

NO FOREIGN DISSEM

25X1C

LINE 2. CHINA BORDER/HOA BINH AREA (ROUTE 6)

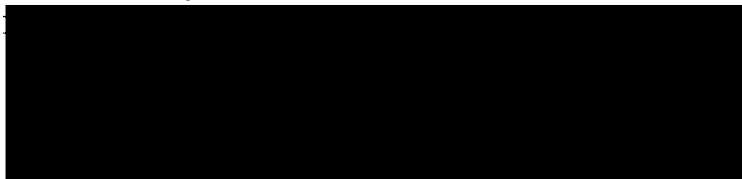
A telephone/telegraph open wire line extends from the Chinese border region southward generally paralleling Route 6 for a distance of approximately 180 nautical miles. The trace for this line is visible intermittently from the border area to the vicinity of Hoa Binh.

The wire line extends southward from approximately 20-30N 103-11E, a point 3 nm from the Chinese border, generally paralleling Route 6 through the town of Lai Chau (22-04N 103-10E) and southeastward through or near the villages of Ta Pao (21-46N 103-19E), Tuan Giao (21-35N 103-25E), Son La (21-19N 103-54E), and Ban Cong (21-01N 104-22E).

The line is next observed at 20-47N 104-50E paralleling Route 6 eastward to the limits of photographic coverage at 20-45N 105-10E, a point 10 nm south-east of Hoa Binh (20-49N 105-20E).

Segments of this line are observed on good-quality, low-level photography at approximately 21-48N 103-18E (See photo). At this point the line consists of 6 wires arranged in pairs and supported by a single crossarm on wooden poles.

25X1D

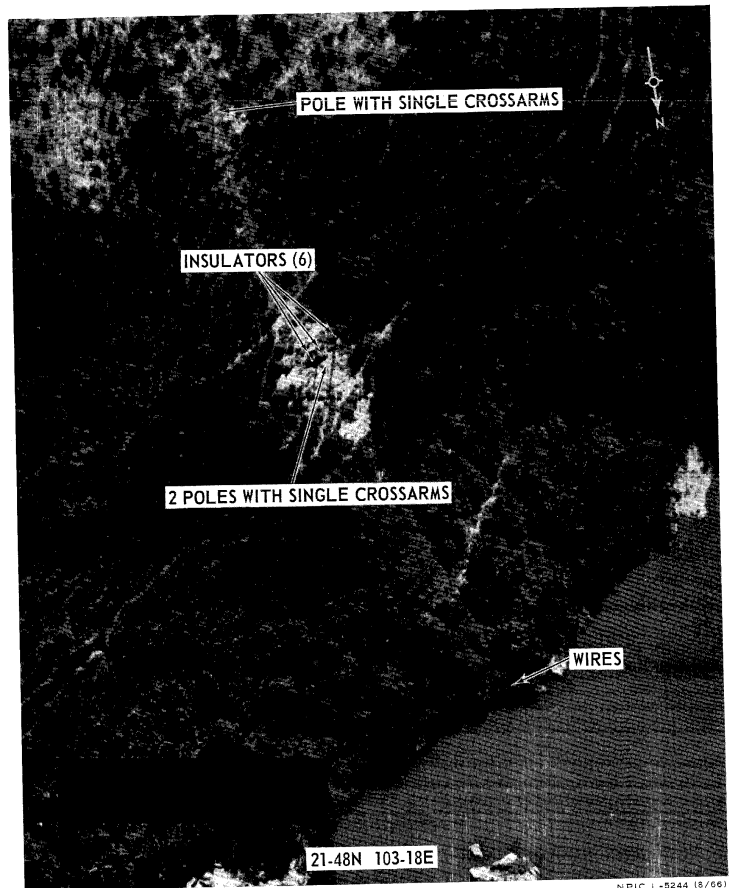
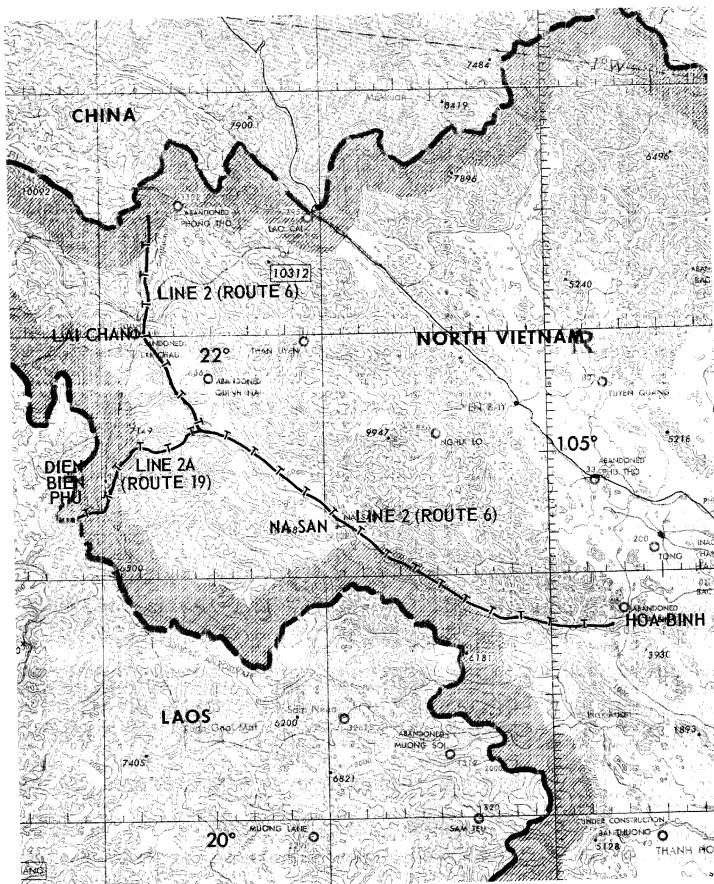


B-3

CONFIDENTIAL

NO FOREIGN DISSEM

25X1C



NPIC L-5244 (8/66)

LINE 2. CHINA BORDER/HOA BINH AREA TELEPHONE/TELEGRAPH OPEN WIRE LINE.

25X1D

B-4

CONFIDENTIAL

CONFIDENTIAL

NPIC/R-267/66

25X1C

LINE 2A. LAOS BORDER AREA (ROUTE 19)

A telephone/telegraph open wire line extends from line 2 at 21-35N 133-25E southwestward to the Laotian border at 21-13N 102-53E, a distance of approximately 50 nm. The line generally parallels Route 19 and passes through or near the villages of Ban Som (21-33N 103-11E) and Ban Pom Lot (21-16N 103-00E).

The line was observed on good-quality, low-level photography at approximately 21-15N 102-58E. At this point, poles with a single crossarms, 2 sets of insulators, and 2 wires can be discerned (See photo).

25X1D



B-5

CONFIDENTIAL

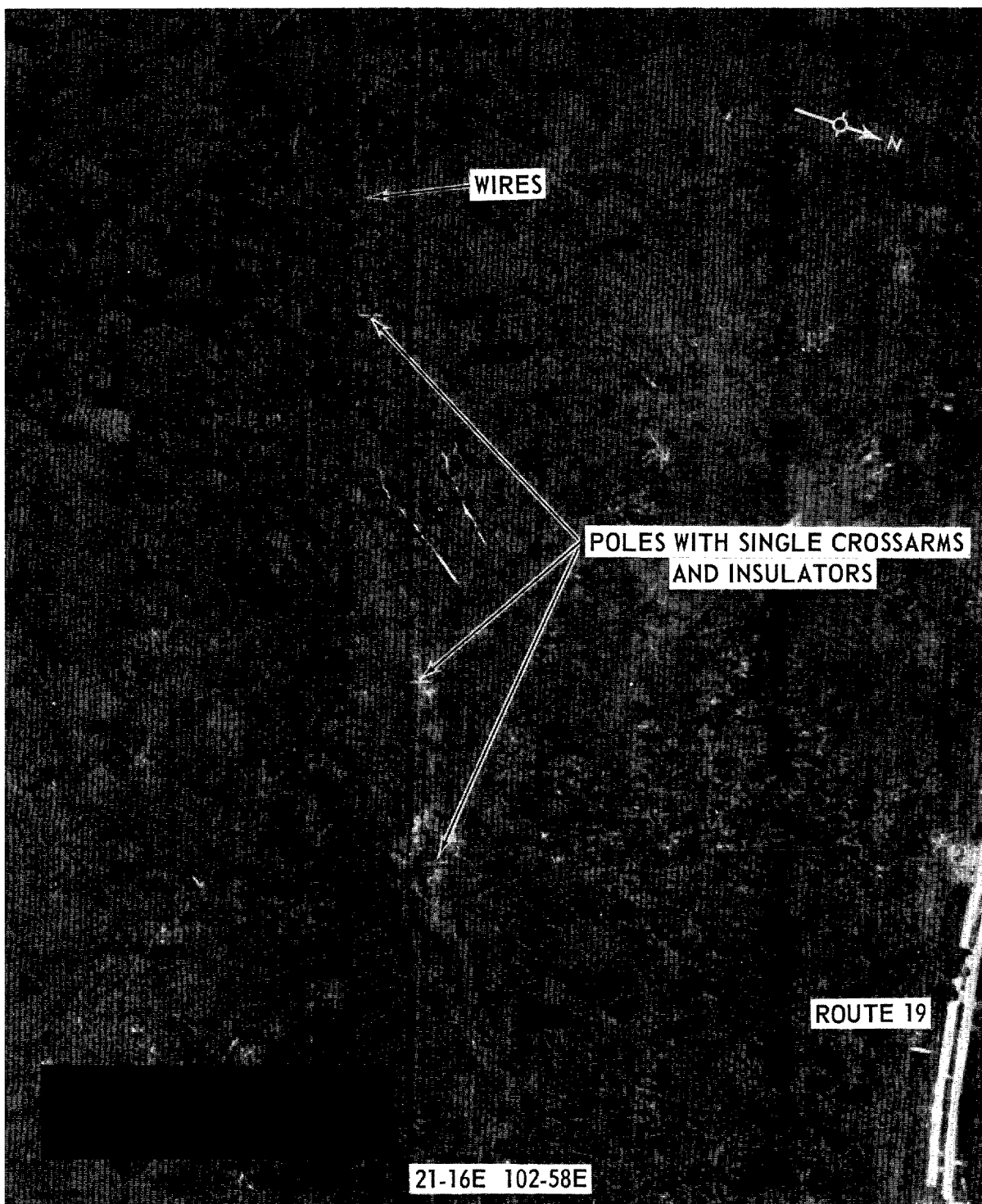
NO FOREIGN DISSEM [REDACTED]

25X1C

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NPIC/R-267/66

25X1C



LINE 2A. LAOS BORDER AREA (ROUTE 19) TELEPHONE/TELEGRAPH OPEN WIRE LINE.

NPIC L-5245 (8/66)

B-6

CONFIDENTIAL

NO FOREIGN DISSEM

25X1C

LINE 3. LAOS/VIETNAM DEMILITARIZED ZONE

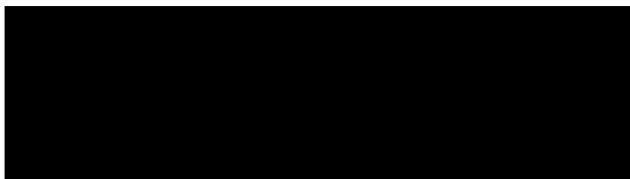
A telephone/telegraph open wire line extending through the Demilitarized Zone is observed intermittently on photography for approximately 29 nautical miles. Poles with single crossarms are observed from the limit of interpretable photography at 17-02N 106-56E southwestward, paralleling North Vietnamese Routes 101 and 102, to 17-01N 106-53E.

The line is next observed at 16-54N 106-49E near the terminus of North Vietnamese Route 102. It extends generally westward following an old trail. Single poles without crossarms are observed in this area.

The line continues westward to the north bank of the Houei Nam Se (river) passing through the village of Cha Li (16-53N 106-34E) and immediately south of the village of Ban Tchepone (16-54N 106-33E). Single poles with 2 insulators and wires are discernible in this area (See photo).

The line crosses into Laos at 16-53N 106-33E and continued westward to the end of interpretable photography at 16-53N 106-31E, 1.4 nm west of the Laotian border. The line is not discernible farther west, possibly because trees are being used in lieu of poles. No trace has been cleared for the wire line.

25X1D

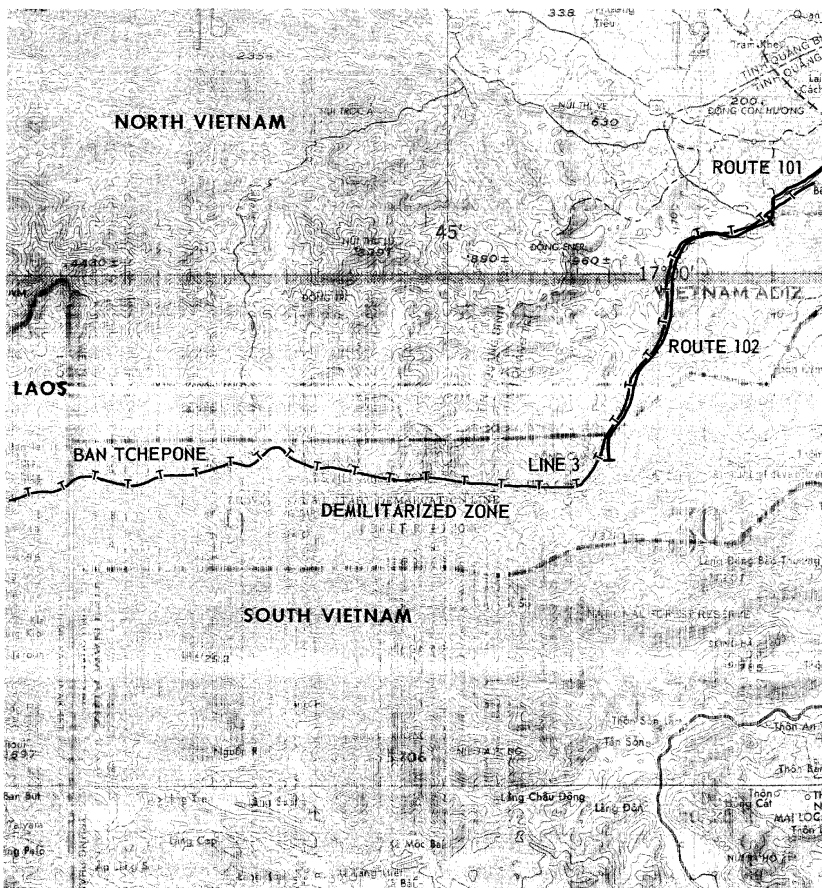


CONFIDENTIAL

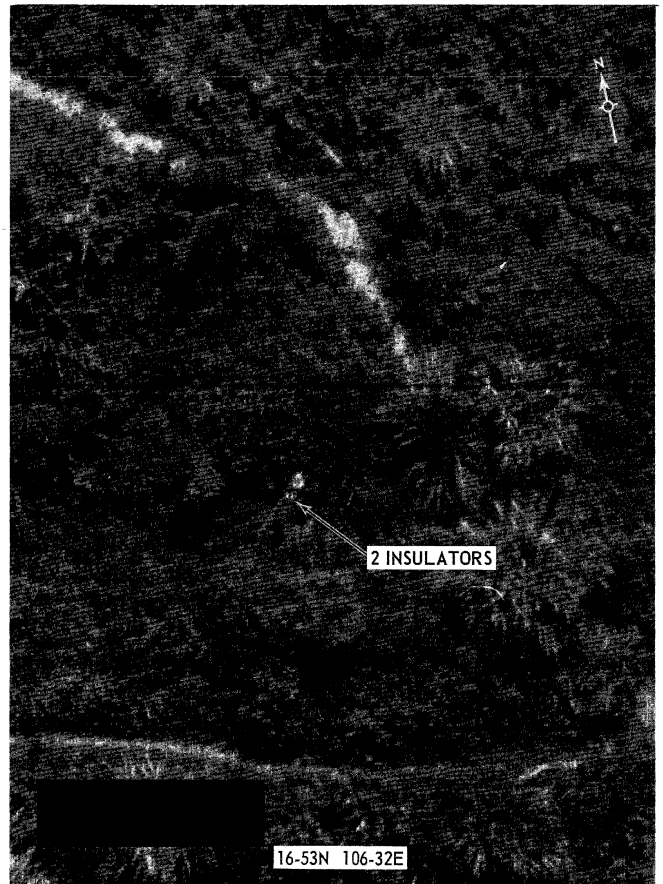
NO FOREIGN DISSEM

25X1C

NPIC/R-267/66



LINE 3. LAOS/VIETNAM DEMILITARIZED ZONE.



25X1D

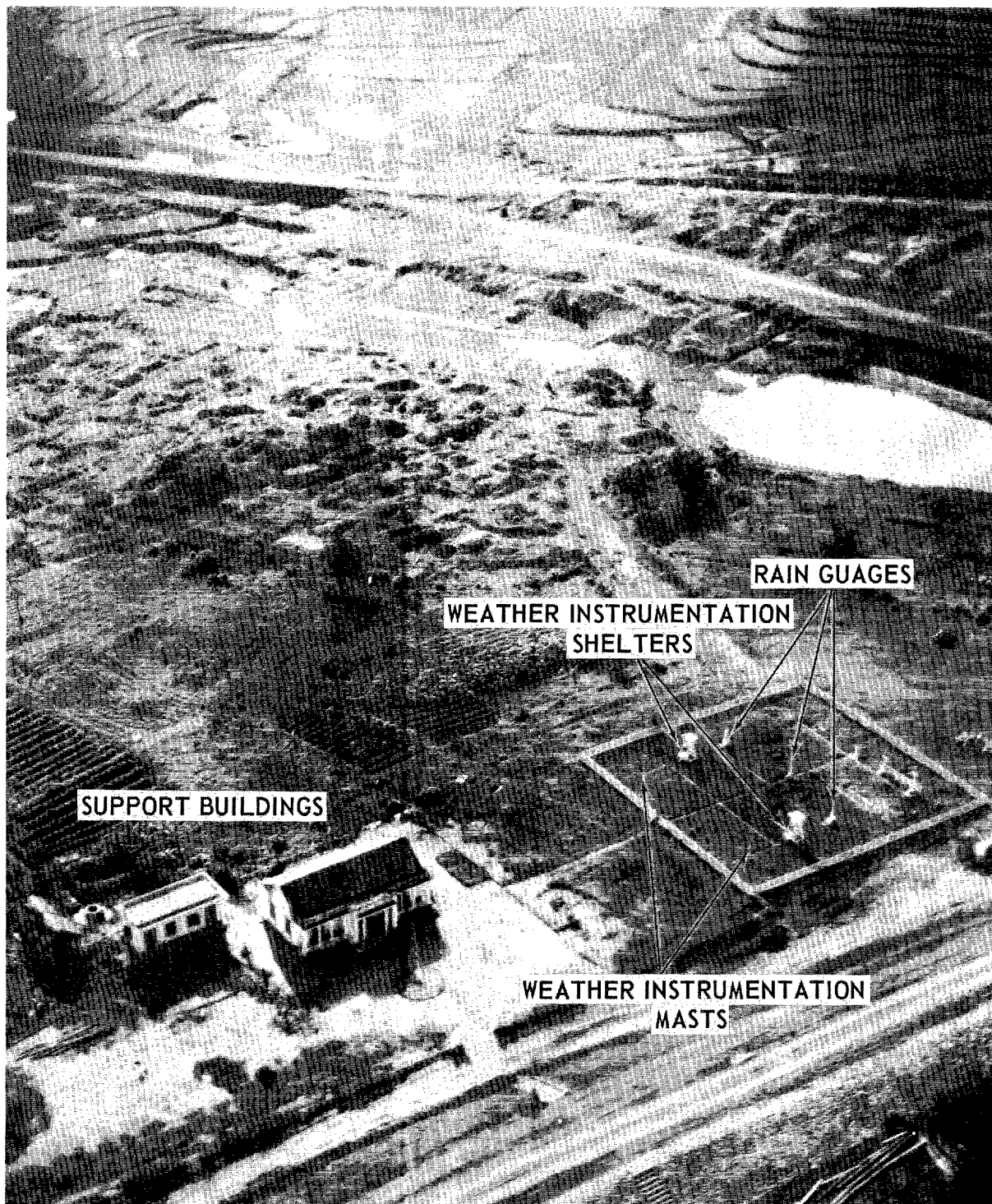
NPIC L-5246 (8/66)

CONFIDENTIAL

CATEGORY C WEATHER STATIONS

CONFIDENTIAL

25X1C



TYPICAL NORTH VIETNAMESE WEATHER STATION.

NPIC L-5251 (8/66)

CONFIDENTIAL

25X1C

CONFIDENTIAL

25X1C



TYPICAL NORTH VIETNAMESE WEATHER STATION.

NPIC L-5252 (8/66)

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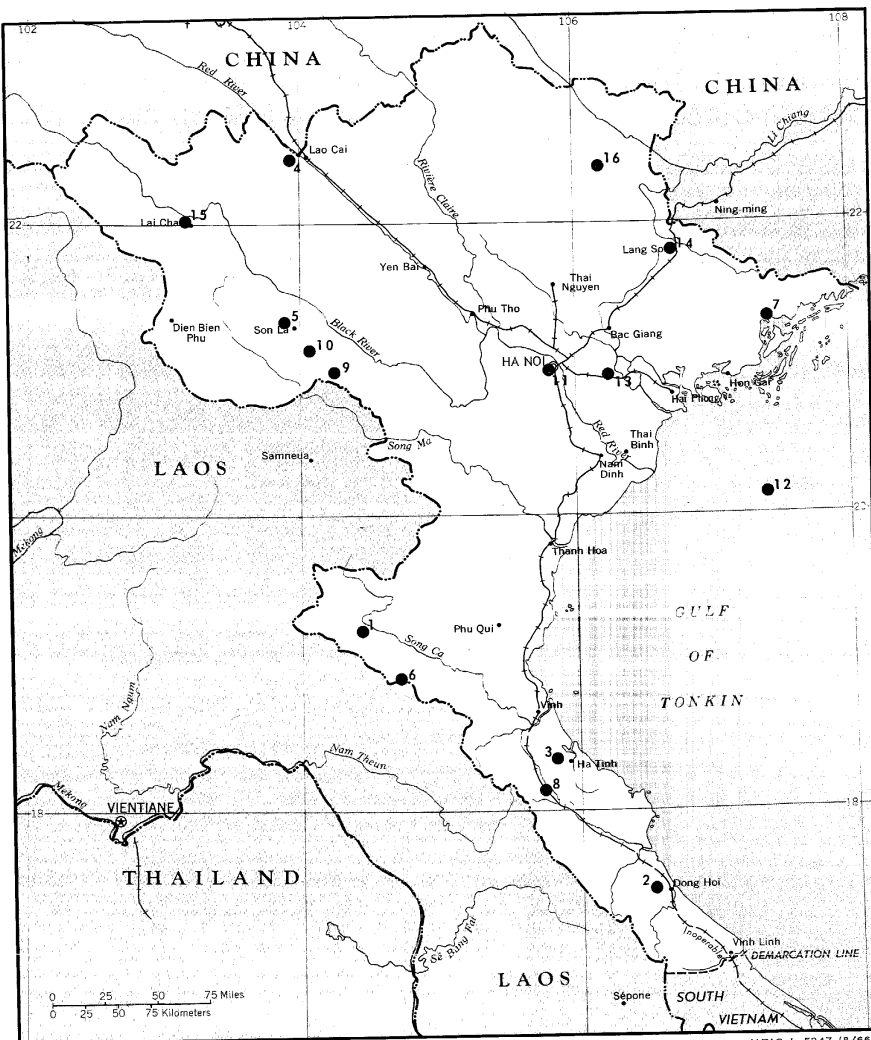
NO FOREIGN DISSEM

25X1C

CONFIDENTIAL

KEY TO CATEGORY C WEATHER STATIONS

1. Ban Tiane
2. Dong Hoi
3. Ha Tinh
4. Lao Kay
5. Son La
6. Thanh Hoa
7. Tien Yen
8. Chu Le
9. Ban Phat
10. Ban Hco
11. Ha Noi
12. Bach Long Vi Dao
13. Hai Duong
14. Lang Son
15. Lai Chau
16. Cao Bang



CONFIDENTIAL

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NPIC/R-267/66

CATEGORY C
WEATHER STATIONS

25X1A

<u>BE No</u>	<u>Name</u>	<u>Geographic Coordinates</u>	<u>UTM</u>	<u>Map References (AMS Series L701)</u>
	Ban Tiane	19-15-38N 104-28-30E	VG447296	Sheet 5868-I, 1st ed, Jun 63 (U)
	Dong Hoi	17-28-55N 106-36-24E	XE706334	Sheet 6363-III, 1st ed, Nov 62 (U)
	Ha Tinh	18-20-33N 105-54-30E	WF959282	Sheet 6166-II, 1st ed, Dec 55 (U)
	Lao Kay	22-28-53N 103-58-54E	UK951862	Sheet 5778-II, 1st ed, Sep 64 (U)
	Son La	21-19-49N 103-54-36E	UJ869589	Sheet 5774-I, 1st ed, Mar 63 (U)
	Thanh Hoa	19-48-24N 105-46-23E	WG811901	Sheet 6170-II, 1st ed, Sep 55 (U)
	Tien Yen	21-19-27N 107-25-03E	YJ508598	Sheet 6474-I, 1st ed, June 64 (U)
	Chu Le	18-10-57N 105-42-26E	WF748103	Sheet 6165-IV, 1st ed, Apr 65 (U)
	Ban Phat	21-02-54N 104-18-12E	VJ276274	Sheet 5874-II, 1st ed, Mar 63 (U)
	Ban Heo	21-07-48N 104-09-36E	VJ127366	Sheet 5874-III, 1st ed, Jan 63 (U)
	Ha Noi	20-59-59N 105-56-15E	WJ974221	Sheet 6173-I, 1st ed, Jun 60 (U)
	Bach Long Vi Dao*	20-07-55N 107-43-50E	YH853281	Sheet NF 48-16** 1st ed, Jul 65 (U)
	Hai Duong	20-56-12N 106-19-15E	XJ373155	Sheet 6273-I, 1st ed, Mar 65 (U)
	Lang Son	21-48-44N 106-46-17E	XK832147	Sheet 6376-II, 1st ed, Mar 63 (U)
	Lai Chau	22-03-54N 103-09-42E	UK104409	Sheet 5677-II, 1st ed, Sep 64 (U)
	Cao Bang	22-39-43N 106-16-06E	XL287064	Sheet 6278-I, 1st ed, Jan 64 (U)

*Inactive Station.
 **AMS Series L1501.

CONFIDENTIAL

NO FOREIGN DISSEM [REDACTED]

25X1C

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NPIC/R-267/66

25X1C

INTRODUCTION

North Vietnamese weather stations are similar in appearance and function. They are normally surrounded by a small fence and contain 2 masts, each connected by wire to an instrument shelter. The shelters are small structures with louvered sides which house thermal and barometric instruments. Other equipment usually observed at these sites includes rain gauges and evaporation pans.

At the present time, weather stations in North Vietnam are used exclusively for the collection and transmission of weather data. However, a communications capability exists at each site and could be used to transmit information other than weather data.

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NO FOREIGN DISSEM [REDACTED]

25X1C

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6	30	67	NPIC				10	32			
4	23	68	CRS/ALB				1	31			
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